State of California Department of Consumer Affairs

January 2025

DIRECTORY OF CERTIFIED INSULATION MATERIALS

Sorted By TYPE and MANUFACTURER

Bureau of Household Goods And Services



Gavin Newsom, Governor State of California

Kimberly Kirchmeyer, Director Department of Consumer Affairs

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bhgs.dca.ca.gov

FOREWORD

California law states that every insulation manufacturer who sells insulation material in California shall hold an insulation manufacturing license issued by the California Department of Consumer Affairs' Bureau of Household Goods and Services (California Business & Professions Code Section (BPC) § 19059.7). In addition, the law states that all insulation sold and installed in California must be certified to be in compliance with California insulation quality standards (BPC § 19165).

The current standards cover 13 types of insulation frequently used in the ceilings, walls, and floors of homes and buildings. Insulation must meet standards for resistance to heat flow (R-value), fire safety, corrosion and fungi resistance; for changes in size, odor, pliability, settling, bond strength and deflection; and for separation by air movement, when appropriate. California law (BPC § 19165) mandates that the Bureau of Household Goods and Services periodically publish and update a DIRECTORY OF CERTIFIED INSULATION MATERIALS, which lists insulation materials certified by the bureau, on the basis of approved laboratory tests, that are in compliance with state law. This directory of insulation materials describes the material and its application, and states the R-value of the material. Although the directory is intended to include all certified material, some materials may have been certified or decertified after the directory was published. The Bureau of Household Goods and Services maintains an up-to-date list of certified insulation materials.

The primary function of the Bureau's quality standards program is to protect consumers by ensuring that:

- claims for product efficiency, properties, and performance are accurate;
- insulation materials are truthfully labeled;
- insulation materials are fire-retardant and safe to use; and
- only certified insulation is sold or installed in California.

If you have any complaints or concerns, please contact the Bureau of Household Goods and Services at (916) 999-2041 or you may e-mail us at: homeproducts@dca.ca.gov.

The bureau inspects the products of manufacturers, distributors, installers, and retailers to determine their compliance with the insulation quality standards. The bureau also conducts independent performance tests of insulation materials sold in the state to assure continued compliance with the quality standards. Insulation is one of the best investments a homeowner can make to save energy. Proper insulation can:

- save as much as one-half on cooling and heating costs;
- reduce the operating time for air conditioning and heating equipment, extending their performance and reducing maintenance;
- allow homes to be cooled and heated with smaller, less expensive equipment;
- make homes more comfortable; and
- add to the resale value of homes.

INTRODUCTION

This directory identifies insulation materials that have been certified as complying with the regulations enforced by the Bureau.

REGULATIONS

The text of the regulations can be found in the California Code of Regulations, Title 24, Part 12, Chapter 12-13. All manufacturers of insulation materials covered by these regulations that have not been certified as complying with the standards, may not market their materials for installation in California. Any person selling uncertified insulation for installation in California violates state law.

RECENT CERTIFICATIONS

To determine if an insulation material has been certified or decertified after this directory was published, contact the Bureau of Household Goods and Services (BHGS) at (916) 999-2041 or you may e-mail us at homeproducts@dca.ca.gov. Mailing address: 4244 South Market Court, Suite D, Sacramento, CA 95834-1243.

OBTAINING DOCUMENTS

Copies of the directory and current regulations are available online from the following links:

Link to directory: <u>https://bhgs.dca.ca.gov/consumers/ti_directory.pdf</u> Insulation laws and regulations: <u>https://bhgs.dca.ca.gov/laws/insulation_regs.pdf</u> The regulations are also available on the Building Standards Commission's website at: <u>https://www.dgs.ca.gov/BSC/Codes</u>

EXPLANATION OF INFORMATION IN THE DIRECTORY

The following information is included in this directory:

1. <u>Form</u>

Insulation materials are divided into six physical forms: blanket, board, foil, foam and spray, rigid stock, and loose fill. The kind of insulating material marketed in each form is also indicated.

2. Manufacturer and Brand Name

Under each form and kind of insulating material, products are listed in alphabetical order by manufacturer and brand name.

3. Material, Type, Facings

Products are then listed by material and by construction type (whether the product is all one material or contains two or more materials). If a facing is attached to the material, the type of facing is indicated.

4. Primary Use, Usage Exposure, Vapor Barrier

The primary (most frequent) use of the products is stated by the manufacturer. If a product is designed to be fire-resistant when the product is left uncovered, this is indicated in the "Designed for Exposed Applications?" column. If a product is designed to resist moisture, this is indicated in the "Acts as vapor barrier?" column.

5. Labeled Product Thickness

Labeled product thickness is given in decimal inches for boards, battings, and blankets. Manufacturers producing insulation products with the same identification and description in increments of thickness of 1/8 inch may also produce thicknesses less than 1/8 inch, on special order, as products certified by the Bureau.

6. Labeled Thermal Performance

The thermal performance, as labeled on the product and supported by test results, and any lowered R-value, is stated. Thermal performance of building insulations is stated in R-value. Other insulations use K-, C-, or R-values, as appropriate. For loose-fill insulation, spray-applied insulation, field-applied foam, and foam block, thermal performance is shown per inch.

R-value is a measure of insulation effectiveness. The higher the R-value, the higher the insulation effectiveness. R-value also represents resistance to heat flow and can be expressed mathematically as the reciprocal of the U-value. The U-value is the amount of heat in BTUs which moves through a square foot of material for each degree F of temperature difference.

K-value, or conductivity, is the U-value of a material per inch.

C-value, or conductance, is the U-value of the entire thickness of the material.

BTU means British Thermal Unit; a unit of heat equal to the amount of heat required to raise one pound of water one-degree Fahrenheit at one atmosphere pressure or the approximate amount of heat given off by the burning of a wooden match.

This directory is formatted to be able to find a product directly by Manufacturer name and product type.

Click on the Red Tab labeled MFG List to identify the manufacturer and product category (if more than one product), then click on the Manufacturer and the link will take you to the top of the listing for that product under that category.

If you choose to go to a particular type of Insulation (e.g., Blanket, Board), the Manufacturers and products are listed in product type order, then Manufacturer's name order. You can use the 'Find' function of Excel (CTRL-F) to navigate to certain information. Tabs are located at the bottom of the Workbook for each type of Insulation, click on the appropriate tab for the type of insulation you wish to review.

The Brand Code for each Manufacturer is listed on the left of the spreadsheet. Moving the cursor over the brand code brings up a comment box that gives you the full brand code name.

If you have any questions about using this directory, please contact the Bureau of Household Goods and Services at (916) 999-2041 or you may e-mail us at: homeproducts@dca.ca.gov

Manufacturer	Insulation Type	License Number
Applegate Greenfiber Aquisition, LLC	Cellulose Fiber Loose Fill	T 1548
Applegate Greenfiber Aquisition, LLC	Cellulose Fiber Spray or Field Applied	T 1548
Atlas Molded Products	Polystyrene Board	T 1472
Atlas Roofing Corporation	Polyisocyanurate Board	T 1231
BASF Corporation	Polystyrene Board	T 1533
BASF Corporation	Polyurethane Spray or Field Applied	T 1153
BASF Corporation (Spray-Applied PUF)	Polyurethane Spray or Field Applied	T 1423
Boricel Corporation DBA Bonded Logic, Inc.	Cellulose Fiber Blanket	T 1550
Carlisle Coatings and Waterproofing	Polyisocyanurate Board	T 1501
Carlisle Roof Foam and Coatings	Polyurethane Spray or Field Applied	T 1513
Carlisle Syntec Inc	Polyisocyanurate Board	T 1418
Certainteed Corporation	Mineral Fiber Blanket	T 1023
Certainteed Corporation	Mineral Fiber Board	T 1023
Certainteed Corporation	Mineral Fiber Loose Fill	T 1023
Certainteed Corporation	Mineral Fiber Water Heater Kits, Duct & Pipe Wrap	T 1023
Covertech Flexible Packaging A Division of Balcan Innovation Inc	Reflective Foil	T 1354
Covertech Flexible Packaging A Division of Balcan Innovation Inc	Radiant Barrier	T 1354
Creative Polymer Solutions, LLC.	Polyurethane Spray or Field Applied	T 1549
DAP Global Inc.	Polyurethane Spray or Field Applied	T 1343
Duna USA Inc.	Polyisocyanurate Rigid Stock	T 1476
DuPont de Nemours	Polyisocyanurate Board	T 1534
DuPont de Nemours	Polystyrene Board	T 1535
DuPont de Nemours	Polystyrene Rigid Stock	T 1535
DuPont de Nemours	Polyurethane Spray or Field Applied	T 1536
Environmentally Safe Products Inc.	Reflective Foil	T 1281
Fi-Foil Company Inc.	Reflective Foil	T 1390
Fi-Foil Company Inc.	Radiant Barrier	T 1390
Franklin International	Polyurethane Spray or Field Applied	T 1525
GAF Materials Corp	Polyisocyanurate Board	T 1454

Manufacturer	Insulation Type	License Number
General Coatings Manufacturing Corporation	Polyurethane Spray or Field Applied	T 1491
Green Shield Products, LLC.	Polyurethane Spray or Field Applied	T 1552
Henry A Carlisle Company	Cellulose Fiber Blanket	T 1554
Henry A Carlisle Company	Polyurethane Spray or Field Applied	T 1228
Holcim Solutions and Products US, LLC	Polyisocyanurate Board	T 1545
Hunter Panels	Polyisocyanurate Board	T 1420
Huntsman Building Solutions USA LLC	Polyurethane Spray or Field Applied	T 1499
ICP Building Solutions Group	Polyurethane Spray or Field Applied	T 1540
Innovative Insulation Inc.	Reflective Foil	T 1408
Innovative Insulation Inc.	Radiant Barrier	T 1408
Insulfoam	Polystyrene Board	T 1482
Insul-Quilts, Inc.	Mineral Fiber Blanket	T 1175
Insul-Quilts, Inc.	Radiant Barrier	T 1522
Insul-Therm International Inc.	Mineral Fiber Blanket	T 1245
International Insulation Products	Radiant Barrier	T 1512
International Insulation Products	Reflective Foil	T 1512
Johns Manville	Polyisocyanurate Rigid Stock	T 1341
Johns Manville	Mineral Aggregate Board	T 1288
Johns Manville	Mineral Fiber Blanket	T 1039
Johns Manville	Mineral Fiber Board	T 1039
Johns Manville	Mineral Fiber Loose Fill	T 1039
Johns Manville	Mineral Fiber Spray or Field Applied	T 1039
Johns Manville	Mineral Fiber Water Heater Kits, Duct & Pipe Wrap	T 1039
Johns Manville	Polyisocyanurate Board	T 1341
Johns Manville	Polyisocyanurate Water Heater Kits, Duct & Pipe Wrap	T 1341
Johns Manville	Polyurethane Spray or Field Applied	T 1468
Kingspan Insulation LLC	Polystyrene Board	T 1506
Kingspan Insulation LLC	Polyisocyanurate Board	T 1538
Kingspan Insulation LLC	Polyisocyanurate Rigid Stock	T 1538

Manufacturer	Insulation Type	License Number
Knauf Insulation	Mineral Fiber Blanket	T 1002
Knauf Insulation	Mineral Fiber Board	T 1002
Knauf Insulation	Mineral Fiber Loose Fill	T 1002
Knauf Insulation	Mineral Fiber Water Heater Kits, Duct & Pipe Wrap	T 1002
Lamtec Corporation	Radiant Barrier	T 1489
M-D Building Products Inc.	Mineral Fiber Water Heater Kits, Duct & Pipe Wrap	T 1120
M-D Building Products Inc.	Reflective Foil	T 1120
Mountain Fiber Insulation Inc.	Cellulose Fiber Loose Fill	T 1405
Mountain Fiber Insulation Inc.	Cellulose Fiber Spray or Field Applied	T 1405
Natural Polymers LLC	Polyurethane Spray or Field Applied	T 1539
NCFI Polyurethanes	Polyurethane Spray or Field Applied	T 1401
Owens Corning Foam Insulation LLC	Polystyrene Board	T 1427
Owens Corning Insulating Systems LLC	Mineral Fiber Blanket	T 1428
Owens Corning Insulating Systems LLC	Mineral Fiber Board	T 1428
Owens Corning Insulating Systems LLC	Mineral Fiber Loose Fill	T 1428
Owens Corning Insulating Systems LLC	Mineral Fiber Water Heater Kits, Duct & Pipe Wrap	T 1428
Pittsburgh Corning Corporation	Cellular Glass Board	T 1036
Poliestireno Alfa Gamma S.A. de C.V.	Polystyrene Board	T 1470
Polyglass USA	Polyisocyanurate Board	T 1529
Polyglass USA	Polyurethane Spray or Field Applied	T 1529
Reflectix, Inc.	Reflective Foil	T 1543
Quadrant Performance Materials, LLC	Polyurethane Spray or Field Applied	T 1553
Resisto	Reflective Foil	T 1469
Rhino Linings Corporation	Polyurethane Spray or Field Applied	T 1490
Rmax, A Business Unit of Sika Corporation	Polyisocyanurate Board	T 1523
Rockwool	Mineral Fiber Blanket	T 1360
Rockwool	Mineral Fiber Board	T 1360
Service Partners LLC	Radiant Barrier	T 1516
Silvercote	Mineral Fiber Blanket	T 1557

Manufacturer	Insulation Type	License Number
Silvercote	Mineral Fiber Water Heater Kits, Duct & Pipe Wrap	T 1557
Siplast Inc.	Polystyrene Board	T 1320
SWD Urethane Company	Polyurethane Spray or Field Applied	T 1031
Thermafiber Inc.	Mineral Fiber Board	T 1437
Tiger Foam Insulation	Polyurethane Spray or Field Applied	T 1528
Versico Inc.	Polyisocyanurate Board	T 1419

			HGS - THERMAL INSULA								
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value	
			Cellulose Fiber	Blanket							
	Boricel Corporation DBA Bonded Logic, Inc T 1550 Updated 07/13/2024										
UTT	ULTRATOUCHR13	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.79	13.00	R	
UTT	ULTRATOUCHR19	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.50	19.00	R	
UTT	ULTRATOUCHR21	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.80	21.00	R	

* DESCRIPTION OF BRAND CODES:

UTT = ULTRATOUCH

Henry A Carlisle Company - T 1554						Updated 0	4/12/2024			
UTT	ULTRATOUCHR13	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.79	13.00	R

* DESCRIPTION OF BRAND CODES: UTT = ULTRATOUCH

			Mineral Fiber Bla	anket						
	Certainteed Corpora	ation - T 1023				Updated	10/20/2024			
СТ	ACOUSTABLANKET	FIBERGLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	0.50	2.10	R
СТ	ACOUSTABLANKET	FIBERGLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.00	4.20	R
СТ	ACOUSTABLANKET	FIBERGLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.50	6.30	R
СТ	ACOUSTABLANKET	FIBERGLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	2.00	8.30	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	3.50	11.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	6.25	19.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	10.00	30.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	3.50	11.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	6.25	19.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	8.25	30.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	10.00	38.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	13.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	15.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	5.50	21.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.25	19.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.50	22.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	8.00	25.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	8.38	26.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	10.00	30.00	R
CT	BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00	R
CT	BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	30.00	R
CT	BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.00	38.00	R
CT	BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	15.00	49.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	FOIL FCD SGL MATERIAL	METAL	CLG WALL	NO	YES	3.50	11.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	FOIL FCD SGL MATERIAL	METAL	CLG WALL	NO	YES	3.50	13.00	R

			IGS - THERMAL INSULA							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	FOIL FCD SGL MATERIAL	METAL	CLG WALL	NO	YES	6.25	19.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	FOIL FCD SGL MATERIAL	METAL	CLG WALL	NO	YES	10.00	30.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	FOIL FCD SGL MATERIAL	METAL	CLG WALL	NO	YES	12.00	38.00	R
СТ	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	KRAFT FCD SGL MATERIAL	PAPER	CLG WALL	NO	NO	3.50	11.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	KRAFT FCD SGL MATERIAL	PAPER	CLG WALL	NO	NO	6.25	19.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	2.50	8.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	3.50	11.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	6.25	19.00	R
CT	CERTAPRO ACOUSTA THERM BATT	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	10.00	30.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	3.50	11.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	3.50	13.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	6.25	19.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	10.00	30.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FSK FACED SGL MATERIAL	METAL	CLG WALL T LK	YES	YES	3.50	11.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FSK FACED SGL MATERIAL	METAL	CLG WALL	YES	YES	3.50	13.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FSK FACED SGL MATERIAL	METAL	CLG WALL	YES	YES	6.25	19.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FSK FACED SGL MATERIAL	METAL	CLG WALL			10.00	30.00	
CT		-			CLG WALL	YES YES	YES YES	12.00	30.00	R
-	CERTAPRO THERMAL BATT	FIBERGLASS	FSK FACED SGL MATERIAL	METAL						R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	KRAFT FCD SGL MATERIAL	PAPER	CLG WALL	NO	YES	3.50	11.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	KRAFT FCD SGL MATERIAL	PAPER	CLG WALL	NO	YES	3.50	13.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	KRAFT FCD SGL MATERIAL	PAPER	CLG WALL	NO	YES	6.25	19.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	PSK FACED SGL MATERIAL	OTHER	CLG WALL	YES	YES	6.25	19.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	PSK FACED SGL MATERIAL	OTHER	CLG WALL	YES	YES	10.00	30.00	R
CT	COMMERCIAL BLANKET INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	11.00	R
CT	COMMERCIAL BLANKET INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	13.00	R
CT	COMMERCIAL BLANKET INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.25	19.00	R
CT	COMMERCIAL BLANKET INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.50	21.00	R
CT	COMMERCIAL BLANKET INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	8.00	25.00	R
CT	COMMERCIAL BLANKET INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	10.00	30.00	R
CT	ENCAPSULATED BATTS	FIBERGLASS	FACED SINGLE MATERIAL	NONWOVEN	CLG WALL FLR	YES	NO	8.00	25.00	R
CT	ENCAPSULATED BATTS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER**	CLG WALL FLR	NO	YES	3.50	13.00	R
CT	ENCAPSULATED BATTS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER**	CLG WALL FLR	NO	YES	6.25	19.00	R
CT	ENCAPSULATED BATTS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER**	CLG WALL FLR	NO	YES	10.00	30.00	R
CT	HANDY FILL	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	***	
CT	MASONARY WALL INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	NO	NO	1.75	6.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.00	6.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.50	8.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.40	10.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	12.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.70	11.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	4.30	13.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	5.25	16.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.30	19.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.50	20.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	8.00	25.00	R
CT	METAL BUILDING INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	9.25	30.00	R
CT	NOISE REDUCER	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL FLR	NO	NO	2.50	8.00	R

			IGS - THERMAL INSULA NSULATION MANUFAC1							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
СТ	NOISE REDUCER	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL FLR	NO	NO	3.50	11.00	R
CT	NOISE REDUCER	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL FLR	NO	NO	6.25	19.00	R
CT	SPEEDY R BATTS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	3.50	13.00	R
CT	SPEEDY R BATTS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	5.50	21.00	R
CT	SPEEDY R BATTS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	6.25	19.00	R
СТ	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	3.50	11.00	R
СТ	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	3.50	13.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	6.25	19.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	10.00	30.00	R
СТ	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	12.00	38.00	R
СТ	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	3.50	11.00	R
СТ	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	3.50	13.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	6.25	19.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	10.00	30.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	12.00	38.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	8.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	13.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	15.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.50	20.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.50	21.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.00	25.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.25	30.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	10.00	30.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	10.25	38.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	12.00	38.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	15.00	49.00	R
CT		FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00	R
CT CT		FIBERGLASS	FACED SINGLE MATERIAL	PAPER PAPER	CLG WALL FLR	NO NO	YES YES	3.50	13.00 15.00	R
CT		FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR CLG WALL FLR	NO	YES	3.50	20.00	R
CT		FIBERGLASS FIBERGLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	5.50 5.50	20.00	R R
CT	SUSTAINABLE INSULATION SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.25	19.00	R
CT	SUSTAINABLE INSULATION SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.50	22.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	8.00	22.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	8.25	30.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	10.00	30.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	10.00	38.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	YES	YES	3.50	11.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	YES	YES	3.50	13.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	YES	YES	6.25	19.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	YES	YES	10.00	30.00	R
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.31	K

			GS - THERMAL INSULA NSULATION MANUFAC							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.31	K
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.31	К
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.50	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	5.00	0.31	К
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	5.50	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	6.00	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.31	К
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.31	K
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.31	К
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.50	0.31	К
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.00	0.31	К
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.50	0.31	К
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	6.00	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	1.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.00	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.50	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.00	0.31	К
СТ	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.50	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	4.00	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	4.50	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	5.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	5.50	0.31	К
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	6.00	0.31	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.28	K
СТ	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.28	K
СТ	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.28	К
СТ	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.28	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.28	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.28	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.28	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.28	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.28	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.28	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.28	К
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.28	К
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.28	К
СТ	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.28	К
СТ	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.28	К
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.28	К
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.28	К
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.28	К

			IGS - THERMAL INSUL/ NSULATION MANUFAC							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.20	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.28	K
СТ	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.28	K
СТ	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.28	K
СТ	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.28	К
СТ	UNIVERSAL BLANKET-1501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.23	К
CT	UNIVERSAL BLANKET-1501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.24	K
CT	UNIVERSAL BLANKET-1501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.24	K
CT	UNIVERSAL BLANKET-1501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.24	K
CT	UNIVERSAL BLANKET-1501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23	K
CT	UNIVERSAL BLANKET-1501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.24	K
CT	UNIVERSAL BLANKET-1501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.24	K
CT	UNIVERSAL BLANKET-1501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.24	K

** 1 Surface-Paper, 3 Surfaces-Nonwoven

***No stated R-value; used for filling small spaces around windows, doors, etc.

* DESCRIPTION OF BRAND CODES:

CT = CERTAINTEED

Insul-Quilts, Inc T 1175						Updated (05/06/2019			
ISQ	INSULQUILT2	FIBERGLASS	COMPOSITE	FIBERGLASS**	CLG WALL FLR	YES	YES	2.00	8.20	R

**FIBER GLASS CLOTH FACING

* DESCRIPTION OF BRAND CODES:

ISQ = INSUL-QUILTS

	Insul-Therm Inter	national Inc T 1245				Updated	6/14/2008			
IST	INSULWRAP 850	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	1.00	0.27	K
IST	INSULWRAP 850	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	1.50	0.27	K
IST	INSULWRAP 850	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.00	0.27	К
IST	INSULWRAP 850	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.50	0.27	K
IST	INSULWRAP 850	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.00	0.27	K
IST	INSULWRAP 850	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.50	0.27	K
IST	INSULWRAP 850	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	4.00	0.27	K

* DESCRIPTION OF BRAND CODES: IST = INSUL-THERM

JM JM JM JM JM JM JM JM JM JM JM JM JM J	ALL PURPOSE B.I. R11 KF/FF B.I. R11 KF/FF B.I. R11 UNF B.I. R13 KF/FF B.I. R13 KF/FF B.I. R13 UNF B.I. R13 UNF B.I. R13 UNF	ville - T 1039 FIBER GLASS FIBER GLASS FIBER GLASS FIBER GLASS FIBER GLASS	SINGLE MATERIAL FACED SINGLE MATERIAL FACED SINGLE MATERIAL	NONE PAP/MTL		Undated	1011		mance	C Valu
JM JM JM JM JM JM JM JM JM JM JM JM JM J	B.I. R11 KF/FF B.I. R11 KF/FF B.I. R11 UNF B.I. R13 KF/FF B.I. R13 KF/FF B.I. R13 UNF B.I. R13 UNF B.I. R13 UNF	FIBER GLASS FIBER GLASS FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL				12/15/2023	1.0.0		
JM JM JM JM JM JM JM JM JM JM JM JM JM J	B.I. R11 KF/FF B.I. R11 UNF B.I. R11 UNF B.I. R13 KF/FF B.I. R13 KF/FF B.I. R13 UNF B.I. R13 UNF	FIBER GLASS FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL		CLG WALL FLR	YES	NO	1.00	3.20	R
JM JM JM JM JM JM JM JM JM JM JM JM JM J	B.I. R11 UNF B.I. R11 UNF B.I. R13 KF/FF B.I. R13 KF/FF B.I. R13 UNF B.I. R13 UNF	FIBER GLASS FIBER GLASS		PAP/MTL PAP/MTL	WALL WALL	NO NO	YES YES	3.50	11.00	R
JM JM JM JM JM JM JM JM JM JM JM JM JM	B.I. R11 UNF B.I. R13 KF/FF B.I. R13 KF/FF B.I. R13 UNF B.I. R13 UNF	FIBER GLASS			WALL WALL		NO	3.63	11.00	R
JM JM JM JM JM JM JM JM JM JM JM JM	B.I. R13 KF/FF B.I. R13 KF/FF B.I. R13 UNF B.I. R13 UNF		SINGLE MATERIAL	NONE		YES	NO	3.50	11.00	R
JM JM JM JM JM JM JM JM JM JM	B.I. R13 KF/FF B.I. R13 UNF B.I. R13 UNF	FIDER GLAGO	SINGLE MATERIAL	NONE PAP/MTL	WALL WALL	YES NO	YES	3.63 3.50	<u>11.00</u> 13.00	R R
JM JM JM JM JM JM JM JM JM	B.I. R13 UNF B.I. R13 UNF	FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAP/MTL PAP/MTL	WALL	NO	YES	3.50	13.00	R
M JM JM JM JM JM JM JM	B.I. R13 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO YES	3.63	13.00	R
JM JM JM JM JM JM JM		FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.63	13.00	R
JM JM JM JM JM JM	B.I. R15 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	WALL	NO	YES	3.50	15.00	R
JM JM JM JM JM	B.I. R15 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00	R
JM JM JM JM	B.I. R19 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CLG WALL FLR	NO	YES	6.25	19.00	R
JM JM JM	B.I. R19 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CLG WALL FLR	NO	YES	6.50	19.00	R
JM JM	B.I. R19 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00	R
JM	B.I. R19 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	19.00	R
•	B.I. R20 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	WALL	NO	YES	5.50	20.00	R
JM	B.I. R20 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	20.00	R
JM	B.I. R21 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	WALL	NO	YES	5.50	21.00	R
JM	B.I. R21 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	21.00	R
JM	B.I. R22 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CEILING	NO	YES	7.50	22.00	R
JM	B.I. R22 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	7.50	22.00	R
JM	B.I. R23 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	5.50	23.00	R
JM	B.I. R25 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CEILING	NO	YES	8.25	25.00	R
JM	B.I. R25 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	25.00	R
JM	B.I. R30 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CEILING	NO	YES	8.25	30.00	R
JM	B.I. R30 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CEILING	NO	YES	10.25	30.00	R
JM	B.I. R30 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	30.00	R
JM	B.I. R30 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.25	30.00	R
JM	B.I. R38 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CEILING	NO	YES	10.25	38.00	R
JM	B.I. R38 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CEILING	NO	YES	12.00	38.00	R
JM	B.I. R38 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CEILING	NO	YES	12.50	38.00	R
JM	B.I. R38 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.25	38.00	R
JM	B.I. R38 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	12.00	38.00	R
JM	B.I. R38 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	12.50	38.00	R
JM	B.I. R49 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CEILING	NO	YES	13.50	49.00	R
JM	B.I. R49 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	13.50	49.00	R
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.22	С
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.23	С
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.27	С
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.29	С
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.31	С
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.75	0.27	С
JM		FIBER GLASS	COMPOSITE	NONE	DUCTS	VEC				
JM JM	COAT MCLT COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES YES	NO NO	0.75	0.29	C C

			IGS - THERMAL INSULA							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.27	С
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.29	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.31	С
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.25	0.27	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.25	0.29	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.25	0.31	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	0.27	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	0.29	C
JM	COAT MOLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	0.31	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.75	0.29	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.75	0.23	C
JM	COAT MOLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	0.29	C
JM	COAT MOLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	0.23	C
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	CLG	YES	YES	10.25	30.00	R
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	YES	YES	6.50	19.00	R
JM	COMFORTHERM	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WALL WALL	YES	YES	3.50	13.00	R
JM	COMFORTHERM	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WALL	YES	YES	5.50	21.00	R
-	DUCT LINER PM	FIBER GLASS		NONE	DUCTS	YES	NO	0.50	21.00	R
JM			COMPOSITE				-		-	
JM	DUCT LINER PM	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES YES	NO	1.00	4.20	R R
JM JM	DUCT LINER PM	FIBER GLASS FIBER GLASS	COMPOSITE COMPOSITE	NONE NONE	DUCTS DUCTS	YES	NO NO	1.50	6.30 8.00	R
-		-		-			-			
JM	DURACORE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.24	K
JM	DURACORE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.24	K
JM	DURACORE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24	K
JM	EXACT-O-MAT 1.0 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	1.00	0.27	K
JM	EXACT-O-MAT 1.0 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	1.00	0.28	K
JM	EXACT-O-MAT 1.5 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	0.25	K
JM	EXACT-O-MAT 2.0 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.25	0.25	K
JM	EXACT-O-MAT 2.0 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.38	0.25	K
JM	EXACT-O-MAT 3.0 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.25	0.24	K
JM	FLEX-GLAS PC 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.20	R
JM	FLEX-GLAS PC 110	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	6.00	R
JM	FLEX-GLAS PC 120	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.30	R
JM	FLEX-GLAS PC 125	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.20	R
JM	FLEX-GLAS PC 130	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	6.00	R
JM	FLEX-GLAS PC 130	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	4.00	12.00	R
JM	FLEX-GLAS PC 135	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.50	8.00	R
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.26	K
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.28	К
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.28	K
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.28	K
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.28	K

			IGS - THERMAL INSULA NSULATION MANUFAC							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.28	К
JM	I.S. BLACK ROLLS	FIBER GLASS	FACED SINGLE MATERIAL	FIBERGLASS	WALL	YES	NO	1.00	4.20	R
JM	I.S. BLACK ROLLS	FIBER GLASS	FACED SINGLE MATERIAL	FIBERGLASS	WALL	YES	NO	2.00	8.00	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	2.20	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	4.20	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	6.30	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	8.00	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	3.00	12.00	R
JM	LINACOUSTIC RC-HP	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	4.30	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	2.20	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	4.20	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	6.30	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	8.00	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	3.00	12.00	R
JM	MASONRY WALL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	0.75	3.00	R
JM	MASONRY WALL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.13	3.40	R
JM	MASONRY WALL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.00	R
JM	MASONRY WALL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.88	5.00	R
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	1.00	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	1.50	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.00	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.50	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	3.00	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	3.50	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	4.00	0.24	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.24	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.25	K
-	MICROLITE	FIBER GLASS		MTL/PLAS		YES	YES	0.38		
JM			FACED SINGLE MATERIAL		EQUIP/DUCTS			0.38	0.27	K
JM	MICROLITE MICROLITE	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS EQUIP/DUCTS	YES YES	YES YES	0.38	0.29	K
JM JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS EQUIP/DUCTS	YES	YES	0.38	0.31	к К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS EQUIP/DUCTS	YES	YES	0.50	0.22	K K
-	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.25	K K
JM									-	
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.31	К

			IGS - THERMAL INSULA NSULATION MANUFAC							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.23	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.25	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.27	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.29	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.31	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.25	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.29	K
JM JM	MICROLITE	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS EQUIP/DUCTS	YES	YES	3.25 3.50	0.31	K K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES YES	YES YES	3.50	0.27	K K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.29	K K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.31	K K
JM JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.27	K K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.29	ĸ
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.31	ĸ
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.27	ĸ
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.29	ĸ

Brand Code*	Product ID MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.75 PCF MICROLITE 0.75 PCF	Material FIBER GLASS FIBER GLASS FIBER GLASS FIBER GLASS FIBER GLASS	Type SINGLE MATERIAL SINGLE MATERIAL SINGLE MATERIAL	Facing NONE	Primary Use	Designed for Exposed Applica-	Acts as a Vapor Retarder?	Labeled Product	Labeled Thermal	
JM	MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.75 PCF	FIBER GLASS FIBER GLASS FIBER GLASS FIBER GLASS	SINGLE MATERIAL	NONE		tions?	(Class I / II)	Thickness Inches	Perfor- mance	R, K or C Value
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.75 PCF	FIBER GLASS FIBER GLASS FIBER GLASS	SINGLE MATERIAL		EQUIPMENT	NO	NO	0.50	0.30	К
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.75 PCF	FIBER GLASS FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.30	К
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.75 PCF	FIBER GLASS		NONE	EQUIPMENT	NO	NO	1.00	0.30	К
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 0.60 PCF MICROLITE 0.60 PCF MICROLITE 0.75 PCF	-	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.30	К
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 0.60 PCF MICROLITE 0.75 PCF		SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.30	К
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.30	К
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.30	К
JM JM JM JM JM JM JM JM JM JM JM JM JM J		FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.29	K
JM		FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.29	K
JM JM	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.29	K
JM	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.29	K
JM JM	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.29	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.29	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.37	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.26	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.20	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.20	0.24	K
JM JM JM JM JM JM JM JM JM JM JM JM JM J	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.24	K
JM JM JM JM JM JM JM JM JM JM JM JM JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.24	K
JM JM JM JM JM JM JM JM JM JM JM JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24	K
JM JM JM JM JM JM JM JM JM JM JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.24	K
JM JM JM JM JM JM JM JM JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.24	K
JM JM JM JM JM JM JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.24	K
JM JM JM JM JM JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.23	0.23	K
JM JM JM JM JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.23	K
JM JM JM JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.23	K
JM JM JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
JM JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23	K
JM	MICROLITE 2.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.23	K
	MICROLITE 2.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.23	0.23	K
	MICROLITE 2.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.23	K
JM	MICROLITE 2.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.30	0.23	K
JM		FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
JM	MICROLITE 2.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.23	K
JM	MICROLITE 2.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.22	K
JM	MICROLITE 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE		NO	NO	0.50	0.22	K
JM	MICROLITE 3.0 PCF MICROLITE 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.30	0.22	K
JM	MICROLITE 3.0 PCF MICROLITE 3.0 PCF MICROLITE 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.22	K
	MICROLITE 3.0 PCF MICROLITE 3.0 PCF MICROLITE 3.0 PCF MICROLITE 3.0 PCF			FSK/PSK	DUCTS	YES	YES	1.50	4.20	R
JM MICRO	MICROLITE 3.0 PCF MICROLITE 3.0 PCF MICROLITE 3.0 PCF	FIBER GLASS	FACED SINGLE MATERIAL							1.5

			IGS - THERMAL INSULA NSULATION MANUFAC							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	2.20	6.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	3.00	8.30	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	4.40	12.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	5.75	16.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	7.00	19.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 100	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	1.50	5.60	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 100	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	2.00	7.40	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 150	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	1.50	6.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 150	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	2.00	8.00	R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	2.95	10.00	R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	3.30	11.00	R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	3.85	13.00	R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	5.60	19.00	R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	7.50	25.00	R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	8.70	30.00	R
				-		NO	NO			
JM	MICROLITE MW	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	-	-	0.38	0.23	K
JM	MICROLITE MW	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.23	K
JM	MICROLITE MW	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.63	0.23	K
JM	MICROLITE MW	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.23	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 60	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.31	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 60	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.31	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 60	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.20	0.31	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 60	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.31	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.29	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.29	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.20	0.29	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.29	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.27	К
JM	MICROLITE STANDARD DUCT WRAP TYPE 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.27	К
JM	MICROLITE STANDARD DUCT WRAP TYPE 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.25	К
JM	MICROLITE STANDARD DUCT WRAP TYPE 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.25	K
JM	MICROMAT 23	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	0.23	К
JM	MICROMAT 24	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	0.24	K
JM	MICROMAT 24	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.75	0.24	К
JM	MICROMAT 24	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	1.00	0.24	K
JM	MICROMAT 24	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	1.50	0.24	K
JM	MICROMAT 25	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	0.25	K
JM	MICROMAT 25	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	1.00	0.25	K
JM	MICROMAT 25 MICROMAT 26	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.75	0.25	K
JM	MICROMAT 26	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	1.00	0.20	K
JM	MICROMAT 20 MICROMAT RX	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	2.20	R
JM	MICROMAT RX MICROMAT RX	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	3.20	R
JM	MICROMAT RX	FIBER GLASS	COMPOSITE	NONE NONE	EQUIPMENT	YES YES	NO NO	1.00	4.20	R
-		-		-			-		-	
JM	MOBINSUL R7 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.25	7.00	R
JM	MOBINSUL R7 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	7.00	R
JM	MOBINSUL R11 KF	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00	R
JM	MOBINSUL R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00	R

			IGS - THERMAL INSULA NSULATION MANUFAC							
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JM	MOBINSUL R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.00	11.00	R
JM	MOBINSUL R13 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	YES	3.50	13.00	R
JM	MOBINSUL R14 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.00	14.00	R
JM	MOBINSUL R19 KF	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00	R
JM	MOBINSUL R19 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	19.00	R
JM	MOBINSUL R22 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	7.50	22.00	R
JM	MULTI-PURPOSE	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.00	R
JM	PANEL DECK FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	ROOF DECK	YES	YES	6.50	19.00	R
JM	PANEL DECK FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	ROOF DECK	YES	YES	10.25	30.00	R
JM	PANEL DECK PSK	FIBER GLASS	FACED SINGLE MATERIAL	PSK	ROOF DECK	YES	YES	6.25	19.00	R
JM	PANEL DECK PSK	FIBER GLASS	FACED SINGLE MATERIAL	PSK	ROOF DECK	YES	YES	10.25	30.00	R
JM	PEBS BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.00	10.00	R
JM	PEBS BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.40	13.00	R
JM	PEBS BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.00	19.00	R
JM	PEBS BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.00	25.00	R
JM	PEBS BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.00	30.00	R
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23	ĸ
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.23	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.23	К
JM	R11 FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.50	11.00	R
JM	R11 FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.63	11.00	R
JM	R13 FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	3.63	13.00	R
JM	R19 FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	CLG WALL	YES	YES	6.50	19.00	R
JM	R21 FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	5.50	21.00	R
JM	R30 FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	10.25	30.00	R
JM	R38 FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	12.00	38.00	R
JM	R38 FSK	FIBER GLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	12.50	38.00	R
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.22	К
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.22	К
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.22	К
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.22	К
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23	К
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23	К
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.23	К
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.23	К
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.23	К
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.24	К

			S - THERMAL INSUL							
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JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.24	К
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.24	К
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.25	К
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.25	К
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.25	К
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.25	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.25	К
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.25	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.25	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.25	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.26	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.20	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.27	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.27	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.27	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.27	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.27	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.27	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.27	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.27	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.30	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.30	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.30	K
JM	SG SERIES SPIN-GLAS SG30 SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.30	ĸ
JM	SG SERIES SPIN-GLAS SG30 SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE		NO	NO	3.00	0.30	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.30	K
JM	SG SERIES SPIN-GLAS SG30 SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.30	ĸ
JM	SG SERIES SPIN-GLAS SG30 SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.30	ĸ
JM	SG SERIES SPIN-GLAS SG32 SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.32	ĸ
JM	SG SERIES SPIN-GLAS SG32 SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.32	ĸ
JM		FIBER GLASS	SINGLE MATERIAL	NONE		NO	NO NO	2.00	0.32	K K
-	SG SERIES SPIN-GLAS SG32		SINGLE MATERIAL	-	EQUIPMENT	NO	NO	2.00		
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS		NONE			-		0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.32	K

			IGS - THERMAL INSULA NSULATION MANUFAC							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.34	К
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.34	K
JM	SPIRAL SG 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.30	K
JM	SPIRAL SG 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.30	K
JM	SPIRAL SG 85	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.27	K
JM	SPIRAL SG 85	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.27	K
JM	SPIRAL SG 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.26	K
JM	SPIRAL SG 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.26	K
JM	SPIRAL SG 125	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.25	K
JM	SPIRAL SG 125	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.25	K
JM	SPIRAL SG 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.24	K
JM	SPIRAL SG 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.24	K
JM	T.A.B. R11 KF	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	4.00	11.00	R
JM	T.A.B. R19 KF	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	6.75	19.00	R
JM	TUF-GLAS/VALULITE 24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.24	K
JM	TUF-GLAS/VALULITE 24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24	K
JM	TUF-GLAS/VALULITE 25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.25	K
JM	TUF-GLAS/VALULITE 25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.25	K
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	0.50	0.48	С
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	0.75	0.31	С
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	1.00	0.24	С
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	1.50	0.17	С
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	2.00	0.13	С
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	0.50	0.52	С
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	0.75	0.36	С
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	1.00	0.26	С
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	1.50	0.18	С
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	2.00	0.13	С
JM	ZESTON HI-LO INSULATION INSERTS	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.26	К

NOTE: KF = Kraft-Faced

UNF = SINGLE MATERIAL

KF/FF = Kraft-Faced Formaldehyde-Free

* DESCRIPTION OF BRAND CODES:

JM = JOHNS MANVILLE

	Knauf Insulat	tion - T 1002				Updated (06/30/2023			
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	6.50	22.00	R
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	8.25	30.00	R
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	10.00	30.00	R

Isrand Product ID Material Type Facing Primary US Exposed Vapor Primary US KNF CBI-25 RLDG NS FBERGLASS FACED SINGLE MATERNAL METAL CEILING YES YES 10.20 38 KNF CBI-25 RLDG NS FBERGLASS FACED SINGLE MATERNAL METAL CEILING YES YES 12.20 38 KNF CBI-25 RLDG NS FBERGLASS FACED SINGLE MATERNAL METAL CEILING YES YES 35.00 11 KNF CBI-25 RLDG NS FIBERGLASS FACED SINGLE MATERNAL METAL WALL YES YES 35.00 11 KNF CBI-25 RLDG NS FIBERGLASS FACED SINGLE MATERNAL METAL WALL YES 35.00 11 00 16.00 00 16.00 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 <td< th=""><th></th><th></th><th></th><th>IGS - THERMAL INSULA NSULATION MANUFAC</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>				IGS - THERMAL INSULA NSULATION MANUFAC							
KNF CBI-25 BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING YES 12.00 32 KNF CBI-25 BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL YES 3.50 11 KNF CBI-25 BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL YES 3.50 11 KNF CBI-25 BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL YES 4.50 10.0		Product ID	Material	Туре	Facing	Primary Use	for Exposed Applica-	Vapor Retarder?	Product Thickness	Labeled Thermal Perfor- mance	R, K or C Value
KNF CBI-26 BLDG INS FIBERGLASS FAGED SINGLE MATERIAL METAL WALL YES 3.50 11 KNF CBI-25 BLDG INS FIBERGLASS FAGED SINGLE MATERIAL METAL WALL YES 3.50 15 KNF CBI-25 BLDG INS FIBERGLASS FAGED SINGLE MATERIAL METAL WALL YES 3.50 15 KNF CDI-25 BLDG INS FIBERGLASS FAGED SINGLE MATERIAL METAL WALL YES 3.50 15 KNF FLXDTLINEM 1.5 PCF FIBERGLASS FAGED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.00 0 KNF FLXDTLINEM 1.5 PCF FIBERGLASS FAGED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.00 0 KNF FLXDTLINEM 2.0 PCF FIBERGLASS FAGED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.00 0 KNF FOL FAGED BLDG INS FIBERGLASS FAGED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.0	KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	10.25	38.00	R
KNF CBL-25 BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL YES YES 3.50 11 KNF CBL-25 BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL YES YES 6.25 115 KNF CBL-25 BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL YES YES 6.25 115 KNF FLXDTLINEM 15 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.50 00 KNF FLXDTLINEM 20 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 0.50 0 KNF FLXDTLINEM 20 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.50 0 0 0 KNF FUXDTLINEM 20 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.50 0 0 0 0 XNF FOIL FACED BLOG INS FIBERGLASS <td>KNF</td> <td>CBI-25 BLDG INS</td> <td>FIBERGLASS</td> <td>FACED SINGLE MATERIAL</td> <td>METAL</td> <td>CEILING</td> <td>YES</td> <td>YES</td> <td>12.00</td> <td>38.00</td> <td>R</td>	KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	12.00	38.00	R
KNF CBL25 BLDG INS FIBERGLASS FACED SINGLE MATERNAL METAL WALL VES VES 3.50 11 KNF CLUSTS BLDG INS FIBERGLASS FACED SINGLE MATERNAL PLASTIC DUCTS NO 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 10.0 0 10.0 0 10.0 0 10.0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0 0 10.0	KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.50	11.00	R
KNF CBL25 BLDG INS FIEBERGLASS FACED SINGLE MATERIAL METAL WALL CLG YES 6.25 111 KNF FLXDTLINEM 15 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.00 0 KNF FLXDTLINEM 15 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.00 0 KNF FLXDTLINEM 20 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.00 0 KNF FLXDTLINEM 20 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.00 0 KNF FOULFACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.00 0 KNF FOULFACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 10.03 0 0 XKNF FOULFACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL	KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.50	13.00	R
KNF FLXDTLINEM 15 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO 1.00 00 KNF FLXDTLINEM 15 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 2.00 00 KNF FLXDTLINEM 12 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 0.00 0.00 0.00 1.00 0.00 1.00 NO 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00	KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL				3.50	15.00	R
KNF FLXDTUNEM 15 PCF FIBERGLASS FACED SINGLE MATERAL PLASTIC DUCTS NO NO 1.50 0 KNF FLXDTUNEM 15 PCF FIBERGLASS FACED SINGLE MATERAL PLASTIC DUCTS NO NO 0.50 0 KNF FLXDTUNEM 2.0 PCF FIBERGLASS FACED SINGLE MATERAL PLASTIC DUCTS NO NO 1.50 0 KNF FLXDTUNEM 2.0 PCF FIBERGLASS FACED SINGLE MATERAL PLASTIC DUCTS NO NO 1.50 0 KNF FOLL FACED BLOG INS FIBERGLASS FACED SINGLE MATERAL METAL CELING NO YES 6.50 2.22 KNF FOLL FACED BLOG INS FIBERGLASS FACED SINGLE MATERAL METAL CELING NO YES 10.00 3.50 10.00 3.50 11 XKF FOLL FACED BLOG INS FIBERGLASS FACED SINGLE MATERAL METAL CELING NO YES 10.00 3.50 11.50 3.50 11.50 3.50 1	KNF	CBI-25 BLDG INS	FIBERGLASS		METAL		YES		6.25	19.00	R
KNF FLXDTUNEM 15 PCF FIBERGLASS FACED SINGLE MATERAL PLASTIC DUCTS NO NO 200 0 KNF FLXDTUNEM 2.0 PCF FIBERGLASS FACED SINGLE MATERAL PLASTIC DUCTS NO NO 1.00 0 KNF FLXDTUNEM 2.0 PCF FIBERGLASS FACED SINGLE MATERAL PLASTIC DUCTS NO NO 1.50 0 KNF FLXDTUNEM 2.0 PCF FIBERGLASS FACED SINGLE MATERAL PLASTIC DUCTS NO NO 1.50 0 KNF FOLL FACED BLOG INS FIBERGLASS FACED SINGLE MATERAL METAL CELING NO YES 8.25 3.30 KNF FOLL FACED BLOG INS FIBERGLASS FACED SINGLE MATERAL METAL CELING NO YES 10.00 3.50 11 KNF FOLL FACED BLOG INS FIBERGLASS FACED SINGLE MATERAL METAL WALL NO YES 3.50 11 KNF FOLL FACED BLOG INS FIBERGLASS FACED SINGLE MATE			-		-		-	-		0.25	С
KNF FLXDTLINEM 2.0 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUICTS NO NO 0.50 0.0 KNF FLXDTLINEM 2.0 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUICTS NO NO 1.50 0 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 8.25 32 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 1.0.0 35 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 1.0.2 35 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 1.0.2 35 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 1.0.0 35 KNF FOIL FACED BLOG INS FIBERGLASS FACED SING					-		-	-		0.17	С
KNF FLXDTLINEM 2.0 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO 1.00<					-		-	-		0.13	С
KNF FLXDTLINEW 2.0 PCF FIBERGLASS FACED SINGLE MATERIAL PLASTIC DUCTS NO NO 1.50 00 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 6.50 22 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 6.25 32 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 10.00 35 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 3.50 11 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 11 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 12 KNF FOIL FACED BLOG INS FIBERGLASS FACED SINGLE MATERI					-					0.48	С
KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 6.50 22 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 8.25 30 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 10.25 33 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 10.25 33 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 3.50 11 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 11 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 12 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL							-	-		0.24	С
KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 8.25 33 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 10.00 33 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 10.25 38 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 3.60 11 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 12 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 5.50 22 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL CLG NO YES 6.50 22 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERI							-			0.16	С
KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 10.00 33 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 10.25 36 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 12.00 38 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 11 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 15 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL CLG NO YES 5.50 12 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL CLG NO YES 6.50 22 KNF KRAFT FACED BLDG INS FIBERGLASS FACED SINGLE							-			22.00	R
KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 10.25 33 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CEILING NO YES 12.00 36 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 11 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 15 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 5.50 21 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL CLG NO YES 6.50 22 KNF KRAFT FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL PAPER CEILING NO YES 6.50 22 KNF KRAFT FACED BLDG INS FIBERGLASS FACED SINGLE MAT										30.00	R
KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL CELING NO YES 12.00 33 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 11 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 3.50 11 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL NO YES 5.50 21 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL METAL WALL CLING NO YES 5.50 22 KNF FOIL FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL PAPER CELING NO YES 6.50 22 KNF KRAFT FACED BLDG INS FIBERGLASS FACED SINGLE MATERIAL PAPER CELING NO YES 8.25 30 KNF KRAFT FACED BLDG INS FIBERGLASS F										30.00	R
KNFFOIL FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALMETALWALLNOYES3.5011KNFFOIL FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALMETALWALLNOYES3.5013KNFFOIL FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALMETALWALLNOYES3.5014KNFFOIL FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALMETALWALLNOYES5.5021KNFFOIL FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALMETALWALLNOYES6.5022KNFKRAFT FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALPAPERCEILINGNOYES6.5022KNFKRAFT FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALPAPERCEILINGNOYES8.2530KNFKRAFT FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALPAPERCEILINGNOYES10.033KNFKRAFT FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALPAPERCEILINGNOYES10.2538KNFKRAFT FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALPAPERCEILINGNOYES13.7545KNFKRAFT FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALPAPERCEILINGNOYES13.7545KNFKRAFT FACED BLDG INSFIBERGLASSFACED SINGLE MATERIALPAPERWALL <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>38.00</td> <td>R</td>										38.00	R
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KNFMANUFACTURED HSINGFIBERGLASSSINGLE MATERIALNONEWALLYESNO2.257KNFMANUFACTURED HSINGFIBERGLASSSINGLE MATERIALNONEWALLYESNO3.5011KNFMANUFACTURED HSINGFIBERGLASSSINGLE MATERIALNONEWALLYESNO3.5013										5.00	R
KNFMANUFACTURED HSINGFIBERGLASSSINGLE MATERIALNONEWALLYESNO3.5011KNFMANUFACTURED HSINGFIBERGLASSSINGLE MATERIALNONEWALLYESNO3.5013										7.00	R
KNF MANUFACTURED HSING FIBERGLASS SINGLE MATERIAL NONE WALL YES NO 3.50 13					-					11.00	R
										13.00	R
T KNE MASUNARY WALLINS EIBERGLASS SINGLE MATERIAL NONE WALL VES NO 0.75 2	KNF	MANOFACTORED HSING MASONARY WALL INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	0.75	3.00	R
		-	-		-			-		5.00	R
		-	-		-			-		10.00	R
					-			-		11.00	R

			HGS - THERMAL INSULA							
Brand						Designed for Exposed Applica-	Acts as a Vapor Retarder?	Labeled Product Thickness	Labeled Thermal Perfor-	R, K or
Code*	Product ID	Material	Туре	Facing	Primary Use	tions?	(Class I / II)	Inches	mance	C Value
KNF	METAL BUILDING INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	4.00	13.00	R
KNF	METAL BUILDING INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	5.00	16.00	R
KNF	METAL BUILDING INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	6.00	19.00	R
KNF	METAL BUILDING INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	8.00	25.00	R
KNF	METAL BUILDING INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	9.50	30.00	R
KNF	UMBI	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	3.00	10.00	R
KNF	UMBI	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	3.50	12.00	R
KNF	UMBI	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	4.25	14.00	R
KNF	UMBI	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	6.00	20.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	6.50	22.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	30.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.00	30.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.25	38.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	12.00	38.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	13.75	49.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	FLOOR	YES	NO	8.00	25.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	8.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	11.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	13.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	5.50	21.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	5.50	23.00	R
KNF	UNFACED BLDS INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	6.25	19.00	R

* DESCRIPTION OF BRAND CODES: KNF = KNAUF INSULATION

	Owens Corning Insulating	J Systems LLC - T 14	428			Updated '	12/15/2023			
FG	ROTARY DUCT LINER R-2.2	FIBERGLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.23	K
FG	ROTARY DUCT LINER R-4.2	FIBERGLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.24	K
FG	ROTARY DUCT LINER R-6	FIBERGLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.50	0.24	K
FG	ROTARY DUCT LINER R-8	FIBERGLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.24	K
FG	DUCT LINER HD-ROLL	FIBERGLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.23	K
FG	FLAME SPREAD 25	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	3.50	13.00	R
FG	FLAME SPREAD 25	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	6.00	21.00	R
FG	FLAME SPREAD 25	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	6.50	19.00	R
FG	FLAME SPREAD 25	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	10.00	30.00	R
FG	FLAME SPREAD 25	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	12.50	38.00	R
FG	FLAME SPREAD 25	FIBERGLASS	FACED SINGLE MATERIAL	POLY	CLG WALL FLR	YES	YES	3.50	13.00	R
FG	FLAME SPREAD 25	FIBERGLASS	FACED SINGLE MATERIAL	POLY	CLG WALL FLR	YES	YES	6.50	19.00	R
FG	FOIL FACED B INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	3.50	11.00	R
FG	FOIL FACED B INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	3.50	13.00	R
FG	FOIL FACED B INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	6.50	19.00	R
FG	FOIL FACED B INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	10.00	30.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG FLR	NO	YES	9.50	30.00	R

			IGS - THERMAL INSULA NSULATION MANUFACT							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG FLR	NO	YES	10.00	30.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG FLR	NO	YES	12.50	38.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG FLR	NO	YES	14.00	49.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	13.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.25	19.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.75	22.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	3.50	15.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	5.50	21.00	R
FG	KRAFT FACED B IN	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	6.00	21.00	R
FG	MBI CERTIFIED R	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	3.40	10.00	R
FG	MBI CERTIFIED R	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	3.70	11.00	R
FG	MBI CERTIFIED R	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	4.30	13.00	R
FG	MBI CERTIFIED R	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	5.30	16.00	R
FG	MBI CERTIFIED R	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	6.30	19.00	R
FG	MBI CERTIFIED R	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	6.50	20.00	R
FG	MBI CERTIFIED R	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	8.00	25.00	R
FG	MBI CERTIFIED R	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	9.25	30.00	R
FG	R30 CATHEDRAL KR	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	8.25	30.00	R
FG	R30 CATHEDRAL UN	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	30.00	R
FG	R38 CATHEDRAL KR	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	10.25	38.00	R
FG	R38 CATHEDRAL UN	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.25	38.00	R
FG	TIW TYPE 1-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24	K
FG	TIW TYPE 1-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.24	K
FG	TIW TYPE 1-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.24	K
FG	TIW TYPE 1-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.24	K
FG	TIW TYPE 1-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.24	K
FG	TIW TYPE 1-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.24	K
FG	TIW TYPE 1-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.24	K
FG	TIW TYPE 2-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.22	K
FG	TIW TYPE 2-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.22	K
FG	TIW TYPE 2-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.22	K
FG	TIW TYPE 2-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.22	K
FG	TIW TYPE 2-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.22	K
FG	TIW TYPE 2-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.22	K
FG	TIW TYPE 2-HP	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.22	K
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.00	25.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG FLR	YES	NO	9.50	30.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG FLR	YES	NO	10.00	30.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG FLR	YES	NO	12.50	38.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG FLR	YES	NO	14.00	49.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	13.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	19.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00	R

			HGS - THERMAL INSULA							
						Designed for Exposed	Acts as a Vapor	Labeled Product	Labeled Thermal	
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Applica- tions?	Retarder? (Class I / II)	Thickness Inches	Perfor- mance	R, K or C Value
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	21.00	R
FG	UNFACED BLDG INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	21.00	R

* DESCRIPTION OF BRAND CODES:

FG = FIBERGLAS

	Rockwo	ol - T 1360		Updated 12/01/2023							
RI	COMFORTBATT	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	13.00	R	
RI	COMFORTBATT	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00	R	
RI	COMFORTBATT	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	21.00	R	
RI	COMFORTBATT	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	23.00	R	
RI	COMFORTBATT	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	24.00	R	
RI	COMFORTBATT	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.25	30.00	R	
RI	COMFORTBATT	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	8.00	32.00	R	
RI	COMFORTBATT	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	9.50	38.00	R	

* DESCRIPTION OF BRAND CODES: RI = ROCKWOOL

	BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS												
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance				
		•	Cellular	Glass Board									
	Pittsburgh Corni	ng Corporation - T 1036				Updated 12/12/20	11						
FMG	135114	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	2.00	6.90	R			
FMG	135116	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	3.00	10.40	R			
FMG	135118	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	4.00	13.80	R			
FMG	135121	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	5.00	17.30	R			
FMG	135216	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	6.00	20.70	R			
FMG	FOAMGLAS ONE	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	7.00	24.20	R			

* DESCRIPTION OF BRAND CODES: FMG = FOAMGLAS

			Mineral Age	gregate Board						
	Joł	nns Manville - T 1288			L	pdated 10/05/202	23			
JM	DURABOARD	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.50	1.20	R
JM	DURABOARD	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.75	1.80	R
JM	DURABOARD	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	1.00	2.30	R
JM	FESCO	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.75	1.70	R
JM	FESCO	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	1.00	2.30	R
JM	FESCO	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	1.50	3.40	R
JM	FESCO	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	2.00	4.50	R
JM	RETROFIT	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.50	1.10	R
JM	RETROPLUS	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.50	1.30	R

* DESCRIPTION OF BRAND CODES: JM = JOHNS MANVILLE

			Mineral Fib	er Board						
	Certainteed C	orporation - T 1023			U	pdated 10/20/202	4			
CT	ACOUSTA BOARD - 225	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.00	4.30	R
CT	ACOUSTA BOARD - 225	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.50	6.50	R
CT	ACOUSTA BOARD - 225	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	2.00	8.70	R
CT	ACOUSTA BOARD - 300	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.00	4.30	R
CT	ACOUSTA BOARD - 300	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.50	6.50	R
CT	ACOUSTA BOARD - 300	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	2.00	8.70	R
CT	COMMERCIAL BOARD - 150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.25	К
CT	COMMERCIAL BOARD - 150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.25	К
CT	COMMERCIAL BOARD - 150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.25	К
CT	COMMERCIAL BOARD - 150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.25	К
CT	COMMERCIAL BOARD - 150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.00	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.50	0.25	К
CT	COMMERCIAL BOARD - 150	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	2.00	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	2.50	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	3.00	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	3.50	0.25	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	4.00	0.25	К
CT	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	1.00	0.23	К
CT	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	1.50	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	2.00	0.23	K

			BHGS - THERMAL INSI BOARD INSULATION MANUFA							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
СТ	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	2.50	0.23	K
СТ	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	3.00	0.23	K
СТ	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	3.50	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	4.00	0.23	K
CT CT	COMMERCIAL BOARD - 225 COMMERCIAL BOARD - 225	FIBER GLASS FIBER GLASS	FSK FACED SGL MAT FSK FACED SGL MAT	METAL METAL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	1.00	0.23	K K
CT	COMMERCIAL BOARD - 225 COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	2.00	0.23	ĸ
CT	COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	2.50	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	3.00	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	3.50	0.23	K
СТ	COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	4.00	0.23	К
CT	COMMERCIAL BOARD - 225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	0.23	K
CT CT	COMMERCIAL BOARD - 225 COMMERCIAL BOARD - 225	FIBER GLASS FIBER GLASS	SINGLE MATERIAL SINGLE MATERIAL	NONE NONE	CLG WALL FLR CLG WALL FLR	YES YES	NO NO	2.50 3.00	0.23	K K
CT	COMMERCIAL BOARD - 225 COMMERCIAL BOARD - 225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	0.23	ĸ
CT	COMMERCIAL BOARD - 225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.00	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.00	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.50	0.23	К
СТ	COMMERCIAL BOARD - 225	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	2.00	0.23	К
CT	COMMERCIAL BOARD - 225	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	2.50	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	3.00	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	3.50	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES YES	YES	4.00	0.23	K
CT CT	COMMERCIAL BOARD - 300 COMMERCIAL BOARD - 300	FIBER GLASS FIBER GLASS	ASJ FACED SGL MATERIAL ASJ FACED SGL MATERIAL	PAPER PAPER	CLG WALL FLR CLG WALL FLR	YES	YES YES	1.00 1.50	0.23	K K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	ASJ FACED SGE MATERIAL	PAPER	CLG WALL FLR	YES	YES	2.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	2.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	3.00	0.23	K
СТ	COMMERCIAL BOARD - 300	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	3.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	4.00	0.23	К
СТ	COMMERCIAL BOARD - 300	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.23	K
CT CT	COMMERCIAL BOARD - 300 COMMERCIAL BOARD - 300	FIBER GLASS FIBER GLASS	FSK FACED SGL MATERIAL FSK FACED SGL MATERIAL	METAL METAL	EQUIPMENT EQUIPMENT	YES YES	YES YES	2.50	0.23	K K
CT	COMMERCIAL BOARD - 300 COMMERCIAL BOARD - 300	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	0.23	K
СТ	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	0.23	К
CT	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	0.23	К
CT	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.00	0.23	K
CT CT	COMMERCIAL BOARD - 300 COMMERCIAL BOARD - 300	FIBER GLASS FIBER GLASS	SINGLE MATERIAL SINGLE MATERIAL	NONE NONE	CLG WALL FLR CLG WALL FLR	YES YES	NO NO	3.50	0.23	K K
CT	COMMERCIAL BOARD - 300 COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	4.00	0.23	K K
CT	COMMERCIAL BOARD - 300 COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.00	0.23	ĸ
CT	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	2.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	2.50	0.23	K
СТ	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	3.00	0.23	K
СТ	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	3.50	0.23	K
СТ	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	4.00	0.23	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	EQUIPMENT	YES	YES	1.00	0.22	K
CT CT	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	EQUIPMENT	YES	YES	1.50	0.22	K
CT CT	COMMERCIAL BOARD - 600 COMMERCIAL BOARD - 600	FIBER GLASS FIBER GLASS	ASJ FACED SGL MATERIAL ASJ FACED SGL MATERIAL	PAPER PAPER	EQUIPMENT EQUIPMENT	YES YES	YES YES	2.00	0.22	K K
CT	COMMERCIAL BOARD - 600 COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	EQUIPMENT	YES	YES	3.00	0.22	ĸ
CT	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGE MATERIAL	PAPER	EQUIPMENT	YES	YES	3.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	EQUIPMENT	YES	YES	4.00	0.22	K

		-	BHGS - THERMAL IN BOARD INSULATION MANUE							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
CT	COMMERCIAL BOARD - 600	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	2.00	0.22	K
CT	TOUGHGARD RIGID LINER BOARD	FIBER GLASS	GLASS MAT FACED	MTL/FAB	DUCTS	YES	NO	1.00	0.23	K
CT	TOUGHGARD RIGID LINER BOARD	FIBER GLASS	GLASS MAT FACED	MTL/FAB	DUCTS	YES	NO	1.50	0.23	K
CT	TOUGHGARD RIGID LINER BOARD	FIBER GLASS	GLASS MAT FACED	MTL/FAB	DUCTS	YES	NO	2.00	0.23	K
CT	ULTRADUCT BLACK - 475	FIBER GLASS	FSK FCD SGL MATERIAL	METAL	DUCTS	YES	YES	1.00	4.30	R
CT	ULTRADUCT BLACK - 475	FIBER GLASS	FSK FCD SGL MATERIAL	METAL	DUCTS	YES	YES	1.50	6.50	R
CT	ULTRADUCT BLACK - 475	FIBER GLASS	FSK FCD SGL MATERIAL	METAL	DUCTS	YES	YES	2.00	8.70	R
CT	ULTRADUCT BLACK - 800	FIBER GLASS	FSK FCD SGL MATERIAL	METAL	DUCTS	YES	YES	1.00	4.30	R
CT	ULTRADUCT BLACK - 800	FIBER GLASS	FSK FCD SGL MATERIAL	METAL	DUCTS	YES	YES	1.50	6.50	R
CT	ULTRADUCT BLACK - 800	FIBER GLASS	FSK FCD SGL MATERIAL	METAL	DUCTS	YES	YES	2.00	8.70	R

* DESCRIPTION OF BRAND CODES: CT = CERTAINTEED

	John	s Manville - T 1039			l	Jpdated 11/30/202	2			
FGS	ES-269.00.010405	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	0.14	С
FGS	ES-269.00.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	0.36	С
FGS	ES-269.00.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.94	0.27	С
FGS	ES-269.00.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	0.25	С
FGS	ES-269.00.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.06	0.24	С
FGS	ES-269.00.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.31	0.19	С
FGS	ES-269.00.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.44	0.17	С
FGS	ES-269.00.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.56	0.16	С
FGS	ES-269.00.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.63	0.15	С
FGS	ES-269.01.04.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.88	0.13	С
FGS	ES-269.01.04.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.06	0.12	С
FGS	ES-269.01.04.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25	0.11	С
FGS	ES-269.01.04.05	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.44	0.10	С
FGS	ES-269.04	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	0.36	С
FGS	ES-269.06	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75	0.09	С
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	0.26	К
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	0.26	К
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	0.26	К
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.50	0.26	К
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.00	0.26	К
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.50	0.26	К
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	4.00	0.26	К
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.26	К
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.26	K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.26	K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	0.26	K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.26	К
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.50	0.26	K

			BHGS - THERMAL INS BOARD INSULATION MANUF/							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	4.00	0.26	K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.23	K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.23	К
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.23	K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	0.23	K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.23	K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.50	0.23	K
JM JM	814 BOARD 814 BD/FSK/AP	FIBER GLASS FIBER GLASS	SINGLE MATERIAL FACED SINGLE MATERIAL	NONE METAL	DUCTS DUCTS	YES YES	NO YES	4.00	0.23	K K
JM	814 BD/FSK/AP 814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	0.23	K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	0.23	K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.50	0.23	K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.00	0.23	К
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.50	0.23	К
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	4.00	0.23	К
JM	815 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.23	K
JM	815 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.23	K
JM JM	815 BOARD 815 BOARD	FIBER GLASS FIBER GLASS	SINGLE MATERIAL SINGLE MATERIAL	NONE NONE	DUCTS DUCTS	YES YES	NO NO	2.00	0.23	K K
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.50	0.23	ĸ
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	0.23	K
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	0.23	K
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.50	0.23	K
JM	817 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.22	К
JM	817 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.22	К
JM	817 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.22	К
JM	817 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	0.22	K
JM JM	817 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL METAL	DUCTS DUCTS	YES YES	YES	2.00	0.22	K K
JM	817 BD/FSK/AP 1000 BOARD	FIBER GLASS FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES NO	1.00	0.22	K K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23	К
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.22	К
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.22	К
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.22	К
JM	COATED I.S. BLACK	FIBER GLASS	FACED SINGLE MATERIAL	COATING	WALL CLG	YES	NO	1.00	4.00	R
JM JM	COATED I.S. BLACK CURTAINWALL	FIBER GLASS MINERAL WOOL	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATING FSK	WALL CLG WALL	YES NO	NO YES	2.00	8.00 4.00	R R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	1.00	4.00	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	1.00	4.10	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	1.50	6.00	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	1.50	6.20	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	1.50	6.30	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	2.00	8.00	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	2.00	8.20	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	2.00	8.40	R
JM	CURTAINWALL	MINERAL WOOL MINERAL WOOL	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	FSK	WALL	NO	YES	2.50	10.00	R
JM JM	CURTAINWALL	MINERAL WOOL MINERAL WOOL	FACED SINGLE MATERIAL	FSK FSK	WALL	NO NO	YES YES	2.50 2.50	10.30 10.50	R R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO NO	YES	3.00	10.50	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	3.00	12.00	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	3.00	12.60	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	3.50	14.00	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	3.50	14.40	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	3.50	14.70	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	4.00	14.80	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	4.00	16.00	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	4.00	16.40	R

	BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS										
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value	
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	4.00	16.80	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	4.00	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	4.10	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	4.20	R	
JM JM	CURTAINWALL	MINERAL WOOL MINERAL WOOL	SINGLE MATERIAL SINGLE MATERIAL	NONE NONE	WALL	NO NO	NO NO	1.50 1.50	6.00 6.20	R R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	6.30	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	8.00	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	8.20	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	8.40	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	10.00	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	10.30	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	10.50	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.00	R	
JM	CURTAINWALL	MINERAL WOOL MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO NO	NO NO	3.00	12.30 12.60	R	
JM JM	CURTAINWALL CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL SINGLE MATERIAL	NONE NONE	WALL	NO	NO	3.00	12.60	R R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.50	14.00	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.50	14.70	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	16.00	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	16.40	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	16.80	R	
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	6.00	24.00	R	
JM	DIFFUSER BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	4.30	R	
JM JM	DIFFUSER BOARD DIFFUSER BOARD	FIBER GLASS FIBER GLASS	SINGLE MATERIAL FACED SINGLE MATERIAL	NONE FSK	DUCTS DUCTS	YES YES	NO YES	1.38	6.00 4.30	R R	
JM	DIFFUSER BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.38	6.00	R	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	0.63	0.00	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	0.75	0.23	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	1.00	0.23	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	1.50	0.23	К	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	2.00	0.23	К	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	2.50	0.23	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	3.00	0.23	K	
JM JM	EQUIPMENT SPIN-GLAS BOARD EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	FSK FSK	EQUIPMENT EQUIPMENT	YES YES	YES YES	3.50 4.00	0.23	K K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.63	0.23	K K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.75	0.23	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23	ĸ	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.23	K	
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT EQUIPMENT	YES	NO	3.50	0.23	K	
JM JM	EQUIPMENT SPIN-GLAS BOARD EXACT-O-BOARD 2.0 PCF	FIBER GLASS FIBER GLASS	SINGLE MATERIAL COMPOSITE	NONE NONE	EQUIPMENT	YES YES	NO NO	4.00	0.23	K K	
JM	EXACT-O-BOARD 2.0 PCF EXACT-O-BOARD 3.0 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.38	0.23	K K	
JM	FITTING FAB BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.00	4.30	R	
JM	FITTING FAB BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.50	6.50	R	
JM	FITTING FAB BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	2.00	8.70	R	
JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATERIAL	FBR GLS	FLOOR	YES	NO	1.00	0.23	K	
JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATERIAL	FBR GLS	FLOOR	YES	NO	1.25	0.23	К	
JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATERIAL	FBR GLS	FLOOR	YES	NO	1.50	0.23	K	
JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATERIAL	FBR GLS	FLOOR	YES	NO	1.75	0.23	K	
JM	GLASSDEK	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL SINGLE MATERIAL	FBR GLS	FLOOR EQUIPMENT	YES YES	NO NO	2.00	0.23	K K	
JM JM	HTB 26 HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE NONE	EQUIPMENT	YES	NO NO	2.00	0.26	K K	
JM	HTB 20 HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.26	K	
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.20	K	
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.26	K	

	BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS										
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JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.26	K	
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30	R	
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50	R	
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70	R	
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATERIAL	FBR GLS	WALL CLG	YES	NO	1.00	4.30	R	
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATERIAL	FBR GLS	WALL CLG	YES	NO	1.50	6.50	R	
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATERIAL	FBR GLS	WALL CLG	YES	NO	2.00	8.70	R	
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	NO	NO	1.00	4.30	R	
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	NO	NO	1.50	6.50	R	
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	NO	NO	2.00	8.70	R	
JM	I.S. 600	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.80	R	
JM	I.S. 600	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	9.10	R	
JM	I.S. 600 BLACK	FIBER GLASS	FACED SINGLE MATERIAL	FBR GLS	WALL CLG	YES	NO	2.00	9.10	R	
JM JM	I.S. 600 FSK/AP I.S. 600 FSK/AP	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL METAL	WALL	YES YES	YES YES	1.50	6.80 9.10	R R	
JM	INCOMB HULLBD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	0.22	K	
JM	INCOMB HULLBD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	0.22	K	
JM	INCOMB HULLBD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.75	0.22	K	
JM	INCOMB HULLBD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	0.22	K	
JM	MAD BD 475	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	4.30	R	
JM	MAD BD 800	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	6.50	R	
JM	MAD BD 800	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	8.70	R	
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	1.00	0.23	К	
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	1.50	0.23	К	
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.00	0.23	К	
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	2.50	0.23	К	
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	3.00	0.23	К	
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	3.50	0.23	К	
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	4.00	0.23	K	
JM	MICRO-LOK GPI	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.50	0.24	K	
JM	MICRO-LOK GPI	FIBER GLASS	FACED SINGLE MATERIAL	MTL/GM	PIPES	YES	NO	1.50	0.24	K	
JM JM	MICRO-LOK HP MICRO-LOK HP	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	MTL/PPR MTL/PPR	PIPES PIPES	YES YES	YES YES	1.00	0.24	к к	
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.00	0.24	ĸ	
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.50	0.24	K	
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.00	0.24	K	
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	4.00	0.24	K	
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.00	0.24	ĸ	
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.50	0.24	К	
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.00	0.24	К	
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.50	0.24	К	
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.00	0.24	К	
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	0.50	0.24	К	
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.00	0.24	K	
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.25	0.24	K	
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.50	0.24	K	
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES PIPES	YES	YES	2.00	0.24	K	
JM JM	MICRO-LOK HP ULTRA MICRO-LOK HP ULTRA	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	MTL/PPR MTL/PPR	PIPES	YES YES	YES YES	2.50 3.00	0.24	к к	
JM JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR MTL/PPR	PIPES	YES	YES	3.00	0.24	ĸ	
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	4.00	0.24	K	
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	4.50	0.24	K	
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	5.00	0.24	K	
JM	MINWOOL SAFING	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	14.80	R	
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.24	K	
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.24	К	
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.24	K	
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.24	К	
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.24	К	
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.24	К	

			BHGS - THERMAL IN BOARD INSULATION MANU							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	3.70	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	5.55	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	7.40	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	9.25	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	11.10	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.50	12.95	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	14.80	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.50	16.65	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	5.00	18.50	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	5.50	20.35	R
JM	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	6.00	22.20	R
JM	SPIRACOUSTIC PLUS	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.00	4.30	R
JM	SPIRACOUSTIC PLUS	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.50	6.50	R
JM	SPIRACOUSTIC PLUS	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	2.00	8.70	R
JM	SUPERDUCT 475	FIBER GLASS	COMPOSITE	METAL FOIL	DUCTS	YES	YES	1.00	4.30	R
JM	SUPERDUCT 800	FIBER GLASS	COMPOSITE	METAL FOIL	DUCTS	YES	YES	1.50	6.50	R
JM	SUPERDUCT 800	FIBER GLASS	COMPOSITE	METAL FOIL	DUCTS	YES	YES	2.00	8.70	R
JM	SUPERROUND	FIBER GLASS	COMPOSITE	METAL FOIL	DUCTS	YES	YES	1.00	0.23	K
JM	SUSPEND-R	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	CEILING	YES	YES	1.50	6.00	R
JM	TEMPCONTROL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.50	15.00	R
JM	TEMPCONTROL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	5.50	23.00	R
JM	TEMPCONTROL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	7.25	30.00	R
JM	THERMOLINER	FIBER GLASS	SINGLE MATERIAL	PLASTIC	CEILING WALL	YES	YES	1.50	6.00	R
JM	WHISPERTONE WALLBOARD 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILINGS	YES	NO	1.00	0.23	K
JM	WHISPERTONE WALLBOARD 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILINGS	YES	NO	2.00	0.23	K
JM	WHISPERTONE WALLBOARD 6.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILINGS	YES	NO	1.00	0.22	K
JM	WHISPERTONE WALLBOARD 6.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILINGS	YES	NO	2.00	0.22	K
JM	WHISPERTONE MICROMAT 1.8 PCF	FIBER GLASS	COMPOSITE	FIBERGLASS	PANELS	YES	NO	0.25	0.24	K
JM	WHISPERTONE MICROMAT 1.8 PCF	FIBER GLASS	COMPOSITE	FIBERGLASS	PANELS	YES	NO	0.50	0.24	K
JM	WHISPERTONE MICROMAT 1.8 PCF	FIBER GLASS	COMPOSITE	FIBERGLASS	PANELS	YES	NO	0.75	0.24	K
JM	WHISPERTONE MICROMAT 1.8 PCF	FIBER GLASS	COMPOSITE	FIBERGLASS	PANELS	YES	NO	1.00	0.24	K
JM	WHISPERTONE MICROMAT 2.0 PCF	FIBER GLASS	COMPOSITE	FIBERGLASS	PANELS	YES	NO	0.25	0.23	K
JM	WHISPERTONE MICROMAT 2.0 PCF	FIBER GLASS	COMPOSITE	FIBERGLASS	PANELS	YES	NO	0.50	0.23	K
JM	WHISPERTONE MICROMAT 2.0 PCF	FIBER GLASS	COMPOSITE	FIBERGLASS	PANELS	YES	NO	0.75	0.23	K
JM	WHISPERTONE MICROMAT 2.0 PCF	FIBER GLASS	COMPOSITE	FIBERGLASS	PANELS	YES	NO	1.00	0.23	K
JM	ZESTON HI-LO INSULATION INSERTS	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.26	K

* DESCRIPTION OF BRAND CODES: JM = JOHNS MANVILLE FGS = FIBERGLASS

Knauf Insulation - T 1002				Updated 2/2/2015							
KNF	ADB MFG HSG	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	0.8125	3.50	R	
KNF	AK BOARD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.50	R	
KNF	AK BOARD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	8.70	R	
KNF	AK BOARD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.00	13.00	R	
KNF	AK BOARD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	4.00	17.40	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	1.00	4.30	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	1.50	6.50	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	2.00	8.70	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	3.00	13.00	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	4.00	17.40	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.00	4.30	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.50	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	8.70	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.00	13.00	R	
KNF	AK BOARD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	4.00	17.40	R	
KNF	AK BOARD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.00	4.30	R	
KNF	AK BOARD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.50	R	

BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS										
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
KNF	AK BOARD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	8.70	R
KNF	AK BOARD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.50	10.90	R
KNF	AK BOARD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	1.00	4.40	R
KNF	AK BOARD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	1.50	6.70	R
KNF	AK BOARD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	2.00	8.90	R
KNF	AK BOARD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.00	4.40	R
KNF KNF	AK BOARD FCD 6.0PCF AK BOARD FCD 6.0PCF	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL	METAL METAL	WALL WALL	YES YES	YES YES	1.50 2.00	6.70 8.90	R R
KNF	AK BOARD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.30	R
KNF	AK BOARD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.30	R
KNF	AK BOARD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50	R
KNF	AK BOARD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.70	R
KNF	AK BOARD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50	R
KNF	AK BOARD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70	R
KNF	AK BOARD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00	R
KNF	AK BOARD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40	R
KNF KNF	AK BOARD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL SINGLE MATERIAL	NONE	WALL WALL	YES YES	NO NO	1.00	4.30 6.50	R R
KNF	AK BOARD PLN 3.0PCF AK BOARD PLN 3.0PCF	FIBER GLASS FIBER GLASS	SINGLE MATERIAL	NONE NONE	WALL	YES	NO	1.50	8.70	R
KNF	AK BOARD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00	R
KNF	AK BOARD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40	R
KNF	AK BOARD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30	R
KNF	AK BOARD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50	R
KNF	AK BOARD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70	R
KNF	AK BOARD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.90	R
KNF	AK BOARD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.40	R
KNF KNF	AK BOARD PLN 6.0PCF AK BOARD PLN 6.0PCF	FIBER GLASS FIBER GLASS	SINGLE MATERIAL SINGLE MATERIAL	NONE NONE	WALL	YES YES	NO NO	1.50	6.70 8.90	R R
KNF	AKOUSTI-LINER R 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	1.00	4.30	R
KNF	AKOUSTI-LINER R 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	1.50	6.50	R
KNF	AKOUSTI-LINER R 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	2.00	8.60	R
KNF	ALLEY KAT ADB 475	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	4.30	R
KNF	ALLEY KAT ADB 800	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	4.30	R
KNF	ALLEY KAT ADB 800	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	6.50	R
KNF	ALLEY KAT ADB 800	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	8.70	R
KNF	ECLIPSE ADB 475	FIBER GLASS	COMPOSITE	METAL	DUCTS	YES	YES	1.00	4.30	R
KNF KNF	ECLIPSE ADB 800 ECLIPSE ADB 800	FIBER GLASS FIBER GLASS	COMPOSITE COMPOSITE	METAL METAL	DUCTS DUCTS	YES YES	YES	1.00	4.30	R
KNF	ECLIPSE ADB 800	FIBER GLASS	COMPOSITE	METAL	DUCTS	YES	YES YES	2.00	8.70	R R
KNF	INSULBD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.50	R
KNF	INSULBD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	8.70	R
KNF	INSULBD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.00	13.00	R
KNF	INSULBD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	4.00	17.40	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	1.00	4.30	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	1.50	6.50	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	2.00	8.70	R
KNF KNF	INSULBD FCD 3.0PCF INSULBD FCD 3.0PCF	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	KRAFT	WALL WALL	YES YES	YES YES	3.00	13.00 17.40	R R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT METAL	WALL	YES	YES	1.00	4.30	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.50	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	8.70	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.00	13.00	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	4.00	17.40	R
KNF	INSULBD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.00	4.30	R
KNF	INSULBD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.50	R
KNF	INSULBD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	8.70	R
KNF	INSULBD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.50	10.90	R
KNF KNF	INSULBD FCD 6.0PCF INSULBD FCD 6.0PCF	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	KRAFT KRAFT	WALL WALL	YES YES	YES YES	1.00	4.40	R R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	2.00	8.90	R

			BHGS - THERMAL INS							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.00	4.40	R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.70	R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	8.90	R
KNF	INSULBD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.30	R
KNF	INSULBD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.30	R
KNF	INSULBD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50	R
KNF	INSULBD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.70	R
KNF	INSULBD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50	R
KNF	INSULBD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70	R
KNF	INSULBD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00	R
KNF	INSULBD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40	R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30	R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50	R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70	R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00	R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40	R
KNF	INSULBD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30	R
KNF	INSULBD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50	R
KNF	INSULBD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70	R
KNF	INSULBD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.90	R
KNF	INSULBD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.40	R
KNF	INSULBD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.70	R
KNF	INSULBD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.90	R
KNF	RGD DT LIN 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	1.00	4.30	R
KNF	RGD DT LIN 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	1.50	6.50	R
KNF	RGD DT LIN 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	2.00	8.60	R
KNF	RGD DT LIN 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	3.00	13.00	R

* DESCRIPTION OF BRAND CODES: KNF = KNAUF INSULATION

	Owens-Corning Ins	ulating Systems LLC - T 1428				Updated 12/8/2023	;			
FG	DUCT LINER BOARD	FIBERGLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.23	K
FG	DUCT LINER BOARD	FIBERGLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.23	K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23	K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23	K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23	K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23	K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.23	K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.23	К
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.23	K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.25	0.23	K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23	К
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23	К
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23	K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.23	K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.25	0.23	К
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.23	К
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.23	К
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23	K
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23	К
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23	К
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.23	K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.23	K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.23	K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.23	K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.23	К

			BHGS - THERMAL IN BOARD INSULATION MANUE							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.23	К
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.23	K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.23	K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.23	K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.23	K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.23	K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.23	K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.23	K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.23	K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.23	K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.23	K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.23	K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.23	K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.23	K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.23	K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.23	К
FG	WARM-N-DRI EXTER	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	0.75	3.00	R
FG	WARM-N-DRI EXTER	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.19	5.00	R
FG	WARM-N-DRI EXTER	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.38	10.00	R
FG	WARM-N-DRI EXTER	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00	R

* DESCRIPTION OF BRAND CODES: FG = FIBERGLAS

	Rock	wool - T 1360				Updated 08/06/202	4			
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	10.75	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.90	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.50	15.05	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	17.20	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.50	19.35	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	5.00	21.50	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	5.50	23.65	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	6.00	25.80	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	7.00	30.10	R
RI	CAVITYROCK	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	8.00	34.40	R
RI	CAVITYROCK BLACK	ROCKWOOL	FACED SINGLE MATERIAL	MINERAL FACER	WALL	NO	NO	2.50	10.75	R
RI	CAVITYROCK BLACK	ROCKWOOL	FACED SINGLE MATERIAL	MINERAL FACER	WALL	NO	NO	3.00	12.90	R
RI	CAVITYROCK BLACK	ROCKWOOL	FACED SINGLE MATERIAL	MINERAL FACER	WALL	NO	NO	3.50	15.05	R
RI	CAVITYROCK BLACK	ROCKWOOL	FACED SINGLE MATERIAL	MINERAL FACER	WALL	NO	NO	4.00	17.20	R
RI	CAVITYROCK BLACK	ROCKWOOL	FACED SINGLE MATERIAL	MINERAL FACER	WALL	NO	NO	5.00	21.50	R
RI	CAVITYROCK BLACK	ROCKWOOL	FACED SINGLE MATERIAL	MINERAL FACER	WALL	NO	NO	6.00	25.80	R
RI	CAVITYROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	4.30	R
RI	CAVITYROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	6.45	R
RI	CAVITYROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	8.60	R
RI	CAVITYROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.25	9.68	R
RI	CAVITYROCK MD BLACK	ROCKWOOL	FACED SINGLE MATERIAL	MINERAL FACER	WALL	NO	NO	2.00	8.60	R
RI	COMFORTBOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	6.30	R
RI	COMFORTBOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	8.40	R
RI	COMFORTBOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	10.50	R
RI	COMFORTBOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.60	R
RI	COMFORTBOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.50	14.70	R
RI	COMFORTBOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	16.80	R
RI	COMFORTBOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	5.00	21.00	R
RI	COMFORTBOARD 110	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	4.00	R
RI	COMFORTBOARD 110	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	6.00	R
RI	COMFORTBOARD 110	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	8.00	R
RI	COMFORTBOARD 110	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	10.00	R

			BHGS - THERMAL INS BOARD INSULATION MANUF/							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
RI	COMFORTBOARD 110	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.00	R
RI	COMFORTBOARD 110	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.50	14.00	R
RI	COMFORTBOARD 110	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	16.00	R
RI	COMFORTBOARD 110	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	5.00	20.00	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.45	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.60	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.75	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.90	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.05	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.20	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	19.35	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	21.50	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	25.80	R
RI RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE FOIL	WALL	YES YES	NO	7.00	30.10 8.60	R
RI	CURTAINROCK 40 RFF	ROCKWOOL ROCKWOOL	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	FOIL	WALL	YES	YES YES	2.00	10.75	R R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	2.50	10.75	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	3.50	15.05	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	4.00	17.20	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	4.50	19.35	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	5.00	21.50	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	6.00	25.80	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	7.00	30.10	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.45	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.60	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.75	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.90	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.05	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.20	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	19.35	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	21.50	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	25.80	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.00	30.10	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	1.00	4.30	R
RI	CURTAINROCK 80 RFF CURTAINROCK 80 RFF	ROCKWOOL ROCKWOOL	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	FOIL	WALL	YES YES	YES YES	1.50	6.45 8.60	R R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	3.50	15.05	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	3.00	12.90	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	2.50	10.75	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	4.00	17.20	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	4.50	19.35	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	5.00	21.50	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	6.00	25.80	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	7.00	30.10	R
RI	FRONTROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	6.00	R
RI	FRONTROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	8.00	R
RI	FRONTROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	10.00	R
RI	FRONTROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.00	R
RI	FRONTROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	16.00	R
RI	FRONTROCK MD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	5.00	20.00	R
RI	FRONTROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	2.50	10.00	R
RI	FRONTROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.00	R
RI	FRONTROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.50	14.00	R
RI	FRONTROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	16.00	R
RI	ROCKBOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.20	R R
RI	ROCKBOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.30	F

			BHGS - THERMAL INS							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
RI	ROCKBOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.40	R
RI	ROCKBOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.50	R
RI	ROCKBOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.60	R
RI	ROCKBOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.80	R
RI	ROCKBOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	21.00	R
RI	ROCKBOARD 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	2.50	10.50	R
RI	ROCKBOARD 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	3.00	12.60	R
RI	ROCKBOARD 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	4.00	16.80	R
RI	ROCKBOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.40	R
RI	ROCKBOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.60	R
RI	ROCKBOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.80	R
RI	ROXUL SAFE 55	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	4.00	16.80	R
RI	ROXUL SAFE 65	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.60	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	2.00	7.60	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	2.50	9.50	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	3.00	11.40	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	3.50	13.30	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	4.00	15.20	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	4.50	17.10	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	5.00	19.00	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	5.50	20.90	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	6.00	22.80	R
RI	TOPROCK DD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	2.00	7.60	R
RI	TOPROCK DD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	2.50	9.50	R
RI	TOPROCK DD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	3.00	11.40	R
RI	TOPROCK DD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	3.50	13.30	R
RI	TOPROCK DD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	4.00	15.20	R
RI	MULTIFIX	ROCKWOOL	FACED SINGLE MATERIAL	FIBERGLASS	ROOF/DECK	NO	NO	2.00	7.60	R
RI	MULTIFIX	ROCKWOOL	FACED SINGLE MATERIAL	FIBERGLASS	ROOF/DECK	NO	NO	2.50	9.50	R
RI	MULTIFIX	ROCKWOOL	FACED SINGLE MATERIAL	FIBERGLASS	ROOF/DECK	NO	NO	3.00	11.40	R
RI	MULTIFIX	ROCKWOOL	FACED SINGLE MATERIAL	FIBERGLASS	ROOF/DECK	NO	NO	3.50	13.30	R
RI	MULTIFIX	ROCKWOOL	FACED SINGLE MATERIAL	FIBERGLASS	ROOF/DECK	NO	NO	4.00	15.20	R

* DESCRIPTION OF BRAND CODES: RI = ROCKWOOL

	Thermaf	iber Inc T 1437				Updated 11/13/202	4			
TCW	Fire&Sound Guard Plus	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.00	R
TCW	Fire&Sound Guard Plus	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	11.00	R
TCW	Fire&Sound Guard Plus	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	13.00	R
TCW	Fire&Sound Guard Plus	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00	R
TCW	Fire&Sound Guard Plus	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	21.00	R
TCW	Fire&Sound Guard Plus	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	23.00	R
TCW	Fire&Sound Guard Plus	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	24.00	R
TCW	Fire&Sound Guard Plus	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.13	30.00	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.33	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.42	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	12.50	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	14.60	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.67	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.50	18.77	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.00	20.85	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.50	22.94	R
TCW	FIRESPAN 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.00	25.02	R
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.34	R
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.43	R

			BHGS - THERMAL IN BOARD INSULATION MANUI							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.51	R
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.60	R
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.68	R
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.77	R
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	20.85	R
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.94	R
TCW	FIRESPAN 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	25.02	R
TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.16	R
TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.25	R
TCW TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MATL	METAL METAL	WALL WALL	YES YES	YES	2.00	8.33 10.42	R
TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MAT	METAL	WALL	YES	YES YES	3.00	10.42	R
TCW	FIRESPAN 90 FIRESPAN 90	ROCKWOOL ROCKWOOL	FACED SINGLE MATL FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	12.50	R R
TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	14.60	R
TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MATE	METAL	WALL	YES	YES	4.50	18.77	R
TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MATE	METAL	WALL	YES	YES	5.00	20.85	R
TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.50	22.94	R
TCW	FIRESPAN 90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.00	25.02	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.16	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.25	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.33	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.42	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.60	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.68	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.77	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	20.85	R
TCW	FIRESPAN 90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.94	R
TCW TCW	FIRESPAN 90 RAINBARRIER	ROCKWOOL ROCKWOOL	SINGLE MATERIAL SINGLE MATERIAL	NONE NONE	WALL WALL	YES YES	NO NO	6.00 2.00	25.02 8.34	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	10.43	R R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.51	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.60	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.68	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.77	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	20.85	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.94	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	25.02	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.50	27.11	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.00	29.19	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.50	31.28	R
TCW	RAINBARRIER	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	8.00	33.36	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	2.00	8.34	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	2.50	10.43	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	3.00	12.51	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	3.50	14.60	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MAT	FIBERGLASS	WALL	YES	NO	4.00	16.68	R
TCW TCW	RAINBARRIER DARK RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL WALL	YES YES	NO NO	4.50 5.00	18.77	R
TCW	RAINBARRIER DARK	ROCKWOOL ROCKWOOL	FACED SINGLE MATL FACED SINGLE MATL	FIBERGLASS FIBERGLASS	WALL	YES	NO	5.00	20.85 22.94	R R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	6.00	22.94	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO NO	6.00	25.02	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATE	FIBERGLASS	WALL	YES	NO	7.00	29.19	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	7.50	31.28	R
TCW	RAINBARRIER DARK	ROCKWOOL	FACED SINGLE MATE	FIBERGLASS	WALL	YES	NO	8.00	33.36	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.16	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.24	R

		E	BHGS - THERMAL IN BOARD INSULATION MANUI							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.32	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.40	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.48	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.56	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.64	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.72	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	20.80	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.88	R
TCW	RAINBARRIER HC	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	24.96	R
TCW	RAINBARRIER HC PLUS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.25	5.20	R
TCW	RAINBARRIER HC PLUS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.24	R
TCW	RAINBARRIER HC PLUS	ROCKWOOL		NONE NONE	WALL	YES	NO	2.00	8.32	R
TCW TCW	RAINBARRIER HC PLUS	ROCKWOOL	SINGLE MATERIAL SINGLE MATERIAL		WALL	YES YES	NO NO	2.50 3.00	10.40	R
TCW	RAINBARRIER HC PLUS RAINBARRIER HC PLUS	ROCKWOOL	SINGLE MATERIAL	NONE NONE	WALL	YES	NO	3.00	12.48	R
TCW	RAINBARRIER HC PLUS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.64	R
TCW	RAINBARRIER HC MAX	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.16	R
TCW	RAINBARRIER HC MAX	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.24	R
TCW	RAINBARRIER HC MAX	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.32	R
TCW	RAINBARRIER HC MAX	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.40	R
TCW	RAINBARRIER HC MAX	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.48	R
TCW	RAINBARRIER HC MAX	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.56	R
TCW	RAINBARRIER HC MAX	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.64	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.26	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.34	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.43	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.51	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.60	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.68	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.77	R
TCW	SAFING SAFING	ROCKWOOL	SINGLE MATERIAL SINGLE MATERIAL	NONE NONE	WALL WALL	YES YES	NO NO	5.00	20.85 22.94	R
TCW TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50 6.00	22.94	R R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.50	25.02	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.00	29.19	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.50	31.28	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	8.00	33.36	R
TCW	SAFING	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.67	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.33	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.42	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	12.50	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	14.58	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.67	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.50	18.75	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.00	20.85	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.50	22.94	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.00	25.02	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.50	27.11	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MAT	METAL	WALL	YES	YES	7.00	29.19	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MAT	METAL	WALL WALL	YES	YES	7.50 8.00	31.28	R
TCW TCW	VERSABOARD 40 VERSABOARD 40	ROCKWOOL ROCKWOOL	FACED SINGLE MATL FACED SINGLE MATL	METAL FIBERGLASS	WALL	YES YES	YES NO	3.00	33.36 12.51	R R
TCW	VERSABOARD 40 VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	3.00	12.51	R
TCW	VERSABOARD 40 VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	4.00	14.60	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATE	FIBERGLASS	WALL	YES	NO	4.00	18.77	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATE	FIBERGLASS	WALL	YES	NO	5.00	20.85	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	5.50	22.94	R

			BHGS - THERMAL IN BOARD INSULATION MANU	ISULATION DIRECTO FACTURERS/PRIVAT						
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	6.00	25.02	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	6.50	27.11	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	7.00	29.19	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	7.50	31.28	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	8.00	33.36	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.34	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.43	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.51	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.60	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.68	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.77	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	20.85	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.94	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	25.02	R
TCW TCW	VERSABOARD 40 VERSABOARD 40	ROCKWOOL ROCKWOOL	SINGLE MATERIAL SINGLE MATERIAL	NONE	WALL WALL	YES YES	NO	6.50 7.00	27.11 29.19	R
TCW	VERSABOARD 40 VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE NONE	WALL	YES	NO NO	7.00	31.28	R R
TCW	VERSABOARD 40 VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.50	33.36	R
TCW	VERSABOARD 40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.34	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATE	METAL	WALL	YES	YES	2.50	10.43	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATE	METAL	WALL	YES	YES	3.00	12.51	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	14.60	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.68	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.50	18.77	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.00	20.85	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.50	22.94	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.00	25.02	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.50	27.11	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	7.00	29.19	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	7.50	31.28	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	8.00	33.36	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	2.00	8.34	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	2.50	10.43	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	3.00	12.51	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	3.50	14.60	R
TCW TCW	VERSABOARD 60 VERSABOARD 60	ROCKWOOL ROCKWOOL	FACED SINGLE MATL FACED SINGLE MATL	FIBERGLASS FIBERGLASS	WALL	YES YES	NO NO	4.00 5.00	16.68 20.85	R R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	5.00 4.50	20.85	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	5.50	22.94	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	6.00	25.02	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATE	FIBERGLASS	WALL	YES	NO	6.50	27.11	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	7.00	29.19	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	7.50	31.28	R
TCW	VERSABOARD 60	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	8.00	33.36	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.34	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.43	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.51	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.60	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.68	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.77	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	20.85	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.94	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	25.02	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.50	27.11	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.00	29.19	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.50	31.28	R
TCW	VERSABOARD 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	8.00	33.36	R

			BHGS - THERMAL IN BOARD INSULATION MANUI							
Brand Code*	Product ID	Material	Turce	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor-	R, K or C Value
TCW	VERSABOARD 80	ROCKWOOL	Type FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	mance 8.34	R
TCW	VERSABOARD 80 VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	10.43	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	12.51	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATE	METAL	WALL	YES	YES	3.50	14.60	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATE	METAL	WALL	YES	YES	4.00	16.68	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATE	METAL	WALL	YES	YES	4.50	18.77	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATE	METAL	WALL	YES	YES	5.00	20.85	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.50	22.94	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.00	25.02	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.50	27.11	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	7.00	29.19	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	7.50	31.28	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	8.00	33.36	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	2.00	8.34	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	2.50	10.43	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	3.00	12.51	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	3.50	14.60	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	4.00	16.68	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	4.50	18.77	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	5.00	20.85	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	5.50	22.94	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	6.00	25.02	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	6.50	27.11	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	7.00	29.19	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	7.50	31.28	R
TCW	VERSABOARD 80	ROCKWOOL	FACED SINGLE MATL	FIBERGLASS	WALL	YES	NO	8.00	33.36	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.34	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.43	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.51	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.60	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.68	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.77	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.00	20.85	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.94	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	25.02	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.50	27.11	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.00	29.19	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	7.50	31.28	R
TCW	VERSABOARD 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	8.00	33.36	R

* DESCRIPTION OF BRAND CODES: TCW = THERMAFIBER CURTAIN WALL INSULATION

			Polyisocyanura	ate Board						
	Atlas Roofin	g Corporation - T 1231				Updated 06/08/202	20			
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	1.50	7.10	R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	1.80	8.80	R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	2.20	11.10	R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	2.40	12.20	R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	2.50	12.80	R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	3.10	16.40	R
ARC	ACFOAM COMP/GB	ISOCYANURATE	COMPOSITE/DD	GLASS FIBER	ROOF DECK	NO	NO	1.50	6.30	R
ARC	ACFOAM COMP/GB	ISOCYANURATE	COMPOSITE/DD	GLASS FIBER	ROOF DECK	NO	NO	4.20	22.30	R
ARC	ACFOAM-II	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	1.00	5.70	R
ARC	ACFOAM-II	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	1.50	8.60	R
ARC	ACFOAM-II	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	2.00	11.40	R
ARC	ACFOAM-II	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	2.50	14.40	R

		E	BHGS - THERMAL IN BOARD INSULATION MANU	SULATION DIRECTO						
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
ARC	ACFOAM-II	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	3.00	17.40	R
ARC	ACFOAM-II	ISOCYANUBATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	3.50	20.50	R
ARC	ACFOAM-II	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	4.00	23.60	R
ARC	ACFOAM-III	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.70	R
ARC	ACFOAM-III	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.50	8.60	R
ARC	ACFOAM-III	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.00	11.40	R
ARC	ACFOAM-III	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.50	14.40	R
ARC	ACFOAM-III	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	3.00	17.40	R
ARC	ACFOAM-III	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	3.50	20.50	R
ARC	ACFOAM-III	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	4.00	23.60	R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	1.00	5.70	R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	1.50	8.60	R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	2.00	11.40	R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	2.50	14.40	R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	3.00	17.40	R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	3.50	20.50	R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	4.00	23.60	R
ARC	ATLAS NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	1.50	6.30	R
ARC	ATLAS NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.00	9.10	R
ARC	ATLAS NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.00	15.00	R
ARC	ATLAS NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	4.00	21.10	R
ARC	CROSSVENT	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.50	5.70	R
ARC	CROSSVENT	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	5.50	23.60	R
ARC	CROSSVENT RB	ISOCYANURATE	COMPOSITE/RB	BOARD	ROOF DECK	NO	NO	2.50	5.70	R
ARC	CROSSVENT RB	ISOCYANURATE	COMPOSITE/RB	BOARD	ROOF DECK	NO	NO	5.50	23.60	R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	0.50	3.30	R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	0.62	4.10	R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	0.75	5.00	R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	1.00	6.50	R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	1.50	9.80	R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	2.00	13.10	R
ARC	ENERGYSHIELD CGF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBER	WALL	NO	NO	0.50	3.00	R
ARC	ENERGYSHIELD CGF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBER	WALL	NO	NO	1.00	6.00	R
ARC	ENERGYSHIELD CGF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	NO	1.50	9.00	R
ARC	ENERGYSHIELD CGF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	NO	2.00	12.10	R
ARC	ENERGYSHIELD CGF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	NO	2.50	15.30	R
ARC	ENERGYSHIELD CGF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	NO	3.00	18.50	R
ARC	ENERGYSHIELD CGF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	NO	3.50	21.70	R
ARC	ENERGY SHIELD PRO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	1.00	6.50	R
ARC	ENERGY SHIELD PRO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	1.50	9.80	R
ARC	ENERGY SHIELD PRO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	2.00	13.10	R
ARC	ENERGY SHIELD PRO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	2.50	16.00	R
ARC	ENERGY SHIELD PRO2	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	1.00	6.50	R
ARC	ENERGY SHIELD PRO2	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	1.50	9.80	R
ARC	ENERGY SHIELD PRO2	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	2.00	13.10	R
ARC	ENERGY SHIELD PRO2	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	2.50	16.00	R
ARC	ENERGY SHIELD PRO2	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL	CLG WALL FLR	YES	YES**	3.00	19.70	R
ARC	STUCCO-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	CLG WALL FLR	NO	NO	1.00	6.00	R
ARC	STUCCO-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	CLG WALL FLR	NO	NO	1.50	9.00	R
ARC	STUCCO-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	CLG WALL FLR	NO	NO	2.00	12.10	R

** With taped joints.

* DESCRIPTION OF BRAND CODES: ARC = ATLAS ROOFING CORP.

	Carlisle Coatings	s and Waterproofing - T 1501				Updated 10/08/201	5			
R2B	R2+ BASE 319811	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	1.60	6.60	R
R2B	R2+ BASE 319812	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	2.10	9.60	R

		E	BHGS - THERMAL IN BOARD INSULATION MANU	ISULATION DIRECTOR						
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
R2B	R2+ BASE 319813	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	2.60	12.70	R
R2B	R2+ BASE 319814	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	3.10	15.90	R
R2B	R2+ BASE 321990	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	3.70	19.10	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSED FOIL	WALL	NO	YES	1.00	6.50	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSED FOIL	WALL	NO	YES	1.50	10.00	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSED FOIL	WALL	NO	YES	2.00	13.00	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSED FOIL	WALL	NO	YES	2.50	16.50	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSED FOIL	WALL	NO	YES	3.00	20.30	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSED FOIL	WALL	NO	YES	3.50	23.00	R
R2M	R2+ MATTE 319100	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	1.00	6.00	R
R2M	R2+ MATTE 319101	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	1.50	9.00	R
R2M	R2+ MATTE 319102	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	2.00	12.10	R
R2M	R2+ MATTE 319103	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	2.50	15.30	R
R2M	R2+ MATTE 319104	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	3.00	18.50	R
R2M	R2+ MATTE 322475	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	3.30	20.40	R
R2M	R2+ MATTE 322483	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	3.50	21.70	R
R2S	R2+ SILVER 322874	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	WALL	NO	YES	1.00	6.7 **	R
R2S	R2+ SILVER 322875	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	WALL	NO	YES	1.50	10.5 **	R
R2S	R2+ SILVER 322876	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	WALL	NO	YES	2.00	14.4 **	R
R2S	R2+ SILVER 322877	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	WALL	NO	YES	2.50	17.8 **	R
R2S	R2+ SILVER 322879	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	WALL	NO	YES	3.00	21.2 **	R
R2S	R2+ SILVER 322880	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	WALL	NO	YES	3.50	24.6 **	R

**= Initial R-Values

* DESCRIPTION OF BRAND CODES: R2B = R2+ BASE R2H = R2+ SHEATHE R2M= R2+ MATTE R2S=R2+ SILVER

	Carlisle Sy	ntec Inc T 1418				Updated 09/30/2024	4			
CCD	SECURSHIELD CD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.70	R
CCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.70	R
CCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.50	8.60	R
CCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.00	11.40	R
CCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.50	14.40	R
CCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.70	15.60	R
CCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	3.00	17.40	R
CCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	4.00	23.60	R
CFF	HP-F POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	1.00	6.7 **	R
CFF	HP-F POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	1.50	10.5 **	R
CFF	HP-F POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	2.00	14.4 **	R
CFF	HP-F POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	2.50	17.8 **	R
CFF	HP-F POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	2.70	19.3 **	R
CFF	HP-F POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	3.00	21.2 **	R
CFF	HP-F POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	4.00	28 **	R
CHC	SECURSHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	2.00	11.10	R
CHC	SECURSHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	2.50	13.90	R
CHC	SECURSHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	3.00	16.90	R
CHC	SECURSHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	4.00	23.00	R
CHD	SECURSHIELD HD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	0.50	2.50	R
CNB	HP-NB POLYISO	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	1.50	6.20	R
CNB	HP-NB POLYISO	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	2.00	9.20	R
CNB	HP-NB POLYISO	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	3.00	15.00	R
CNB	HP-NB POLYISO	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	4.00	21.10	R
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R

			BHGS - THERMAL IN BOARD INSULATION MANU							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
CWF	HP-WF POLYISO	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	1.50	7.00	R
CWF	HP-WF POLYISO	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	2.00	10.00	R
CWF	HP-WF POLYISO	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	2.50	12.80	R
CWF	HP-WF POLYISO	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	3.00	15.80	R
CWF	HP-WF POLYISO	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	3.50	18.80	R
CWF	HP-WF POLYISO	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	4.00	21.90	R

**=Initial R-Values

* DESCRIPTION OF BRAND CODES: CCD = SECURSHIELD CD CCG = SECURSHIELD CFF = HP-F POLYISO

CHC = SECURSHIELD HD COMPOSITE CHD= SECURSHIELD HD CNB = HP-NB POLYISO

CSD = HP-H POLYISO CWF = HP-WF POLYISO

	DuPont de M	Nemours Inc T 1534			U	pdated 04/21/202	2			
ISC	ISOCAST R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.00	6.40	R
ISC	ISOCAST R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.50	9.60	R
ISC	ISOCAST R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	2.00	12.6	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.70	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.60	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.60	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.30	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.30	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	9.60	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.10	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	13.60	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.10	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	16.60	R
NHB	THERMAX BASIC NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.70	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.70	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.60	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.60	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.30	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.30	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	9.60	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	10.90	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.10	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.10	R
NHH	THERMAX HDUTY HD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.70	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.70	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.60	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.60	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.30	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.30	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	9.60	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	10.90	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.10	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	13.60	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.10	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.65	16.00	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	16.60	R
NHL	THERMAX LDUTY LD NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.70	R

			BHGS - THERMAL INS BOARD INSULATION MANUF							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.70	R
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.60	R
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.60	R
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.30	R
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.30	R
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	9.60	R
NHM	THERMAX MTL BLDG NH THERMAX MTL BLDG NH	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	1.75	10.90 12.10	R
NHM	THERMAX MIL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	13.60	R
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.10	R
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	16.60	R
NHM NHW	THERMAX MTL BLDG NH	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR	YES YES	YES	3.00	18.70	R
NHW	THERMAX WHITE FACE NH THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR CLG WALL FLR	YES	YES YES	0.50	3.70 5.60	R R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.60	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.30	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.30	R
NHW NHW	THERMAX WHITE FACE NH THERMAX WHITE FACE NH	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	1.55 1.75	9.60 10.90	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.10	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	13.60	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.10	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	16.60	R
NHW STR	THERMAX WHITE FACE NH SUPER TUFF-R	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES NO	YES YES	3.00	18.70 3.30	R R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	0.63	4.10	R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	0.75	4.90	R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.38	8.80	R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO NO	YES	1.50	9.60	R
STR TFR	SUPER TUFF-R TUFF-R	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	NO NO	YES YES	2.00	12.60 3.30	R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	0.63	4.10	R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	0.75	4.90	R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.00	6.40	R
TFR TFR	TUFF-R TUFF-R	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	NO NO	YES YES	1.50	9.60 12.60	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.30	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.50	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.10	R
TXH TXH	THERMAX HDUTY HD THERMAX HDUTY HD	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	1.50 1.55	9.80 10.10	R R
TXH	THERMAX HOUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.60	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.80	R
TXH TXH	THERMAX HDUTY HD THERMAX HDUTY HD	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR	YES YES	YES	3.00 3.20	18.90 20.20	R
TXH	THERMAX HOUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR CLG WALL FLR	YES	YES YES	3.20	20.20	R
TXH	THERMAX HOUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	22.10	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	23.60	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	24.80	R
TXL	THERMAX LDUTY LD THERMAX LDUTY LD	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES	0.50 0.75	3.30	R R
TXL TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR	YES	YES YES	0.75	5.00 5.80	R
TXL	THERMAX LOUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.50	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.10	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.80	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	10.10	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R

		E	BHGS - THERMAL INS BOARD INSULATION MANUF							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.60	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	14.20	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.80	R
TXL TXL	THERMAX LDUTY LD THERMAX LDUTY LD	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	2.65	16.70 17.30	R R
TXL	THERMAX LOUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.90	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	20.50	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	22.10	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	23.60	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	24.80	R
TXM TXM	THERMAX MTL BLDG THERMAX MTL BLDG	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	0.50	3.30 5.00	R
TXM	THERMAX MIL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.50	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.10	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.80	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	10.10	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
TXM TXM	THERMAX MTL BLDG THERMAX MTL BLDG	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	2.00	12.60 14.20	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.80	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.63	16.60	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	17.30	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.90	R
TXM TXM	THERMAX MTL BLDG THERMAX MTL BLDG	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	3.25 3.50	20.50 22.10	R R
TXM	THERMAX MIL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	23.60	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	24.80	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.30	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.63	4.20	R
TXS TXS	THERMAX (CI)	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	0.75	5.00 6.50	R R
TXS	THERMAX (CI) THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.50 8.10	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.38	9.00	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.80	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	10.10	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
TXS TXS	THERMAX (CI) THERMAX (CI)	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	2.00	12.60 14.20	R R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	14.20	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	17.30	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.90	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	20.50	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	22.10	R
TXS TXS	THERMAX (CI) THERMAX (CI)	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	3.75	23.60 24.80	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.30	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.63	4.20	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.88	5.80	R
TXS TXS	THERMAX SHEATH THERMAX SHEATH	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	1.00	6.50 8.10	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES	1.25	9.00	R R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.00	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	10.10	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.60	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	14.20	R
TXS TXS	THERMAX SHEATH THERMAX SHEATH	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	2.38	15.00 15.80	R R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.80	R
170	THENWAA SHEATH	BOGTANUNATE	TAGED SINGLE WATERIAL	IVIL TAL I UIL	GLG WALLT LR	IL0	IL0	2.00	10.00	IN IN

		-	BHGS - THERMAL IN BOARD INSULATION MANUE							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	17.30	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.88	18.10	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.90	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	20.50	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	20.30	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	23.60	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	24.80	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.30	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.63	4.20	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.50	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.10	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.80	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	10.10	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.60	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	14.20	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.80	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	17.30	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.90	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	20.50	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	22.10	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	23.60	R
TXS	THERMAX XARMOR (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	24.80	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.30	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.50	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.10	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.80	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	10.10	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.60	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	14.20	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.80	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	17.30	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.90	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	20.50	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	22.10	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	23.60	R
TXW	THERMAX WHITE FACE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	24.80	R

* DESCRIPTION OF BRAND CODES: ISC = ISOCAST R NHB = THERMAX BASIC NH NHH = THERMAX HDUTY HD NH NHL = THERMAX LDUTY LD NH NHM = THERMAX MTL BLDG NH

NHW = THERMAX WHITE FACE NH STR = SUPER TUFF-R TFR = TUFF-R TXH = THERMAX HEAVY DUTY TXL = THERMAX LIGHT DUTY

TXM = THERMAX METAL BLDG TXS = THERMAX SHEATH TXW = THERMAX WHITE FACE

	Holcim Solutions and	d Products US, LLC - T 1545			U	pdated 09/12/2022	2			
CGT	ISOGARD CG (TAPERED) AA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**0.75	4.30	R
CGT	ISOGARD CG (TAPERED) A	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.25	7.10	R
CGT	ISOGARD GD (TAPERED) B	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.75	10.00	R
CGT	ISOGARD CG (TAPERED) C	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.25	12.90	R
CGT	ISOGARD CG (TAPERED) G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
CGT	ISOGARD CG (TAPERED) H	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.50	14.40	R
CGT	ISOGARD CG (TAPERED) Q	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
CGT	ISOGARD CG (TAPERED) X	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.00	5.70	R
CGT	ISOGARD CG (TAPERED) Y	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.00	11.40	R
FBT	ISO 95+ GL (TAPERED) AA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**0.75	4.30	R

			BHGS - THERMAL INS BOARD INSULATION MANUFA							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
FBT	ISO 95+ GL (TAPERED) A	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.25	7.10	R
FBT	ISO 95+ GL (TAPERED) B	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.75	10.00	R
FBT	ISO 95+ GL (TAPERED) C	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.25	12.90	R
FBT	ISO 95+ GL (TAPERED) G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
FBT FBT	ISO 95+ GL (TAPERED) H ISO 95+ GL (TAPERED) Q	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	**2.50 **1.50	14.40 8.60	R R
FBT	ISO 95+ GL (TAPERED) Q ISO 95+ GL (TAPERED) X	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.00	5.70	R
FBT	ISO 95+ GL (TAPERED) Y	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.00	11.40	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.00	5.70	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.25	7.10	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.50	8.60	R
FCG FCG	ISOGARD CG ISOGARD CG	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	1.75	10.00	R R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.00	13.20	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.50	14.40	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.80	16.20	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	18.90	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.50	20.50	R
FCG FCG	ISOGARD CG ISOGARD CG	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	3.75 4.00	22.00 23.60	R R
FGL	ISOGARD GL (TAPERED) AA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**0.75	4.30	R
FGL	ISOGARD GL (TAPERED) A	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.25	7.10	R
FGL	ISOGARD GL (TAPERED) B	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.75	10.00	R
FGL	ISOGARD GL (TAPERED) C	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.25	12.90	R
FGL	ISOGARD GL (TAPERED) G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
FGL	ISOGARD GL (TAPERED) H	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.50	14.40	R
FGL FGL	ISOGARD GL (TAPERED) Q ISOGARD GL (TAPERED) X	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	**1.50	8.60 5.70	R
FGL	ISOGARD GL (TAPERED) Y	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.00	11.40	R
FHG	HAILGARD	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.00	9.60	R
FHG	HAILGARD	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.50	12.70	R
FHG	HAILGARD	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.00	15.90	R
FHG	HAILGARD	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.50	19.10	R
FHG	HAILGARD	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	4.00	22.30	R
FRC FRC	ISOGARD HD COMPOSITE ISOGARD HD COMPOSITE	ISOCYANURATE ISOCYANURATE	COMPOSITE COMPOSITE	BOARD BOARD	ROOF DECK ROOF DECK	NO NO	NO NO	2.00	8.20 11.10	R
FRC	ISOGARD HD COMPOSITE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.50	13.90	R
FRC	ISOGARD HD COMPOSITE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.00	16.90	R
FRC	ISOGARD HD COMPOSITE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.50	19.90	R
FRC	ISOGARD HD COMPOSITE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	4.00	23.00	R
FRH	ISOGARD HD	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	0.50	2.50	R
FRI FRI	ISO 95+ GL ISO 95+ GL	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	1.00	5.70 7.10	R R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.23	8.60	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.00	11.40	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.30	13.20	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.50	14.40	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.80	16.20	R
FRI FRI	ISO 95+ GL ISO 95+ GL	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	3.00 3.25	17.40 18.90	R R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	20.50	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.75	22.00	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.80	22.30	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	4.00	23.60	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	0.50	2.90	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.00	5.70	R
FRR FRR	RESISTA RESISTA	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	1.25 1.50	7.10	R R
	NL310TA	ISOCIANURATE	TAOLD SINGLE WATERIAL	GLG FDR	NOOF DEGR	NU	INU	1.00	0.00	71

Frand Total Total Total Designed to Acts as Vapor Priory Use Coperat Application? Resign Acts as Vapor (Class 110) Product Different Robins Priory Use Coperat Application? Resign Acts as Vapor (Class 110) Product Different Robins Priory Use Coperat Application? Resign Acts as Vapor (Class 110) Product Different Robins Priory Use Coperat Acts as Vapor (Class 110) Product Different Robins Priory Use Coperat Acts as Vapor (Class 110) Product Different Robins Robins Robins			B	BHGS - THERMAL INS							
FPR RESITA BOCHMARTE FACE SNG_MATTERAL GL 37ER ROOT DECK NO NO 175 FPR RESITA SOCHAURATE FACE SNG_MATTERAL GL 37ER ROOT DECK NO NO 2.00 FPR RESITA SOCHAURATE FACE SNG_MATTERAL GL 37ER ROOT DECK NO NO 2.80 FPR RESITA SOCHAURATE FACE SNG_MATTERAL GL 37ER ROOT DECK NO NO 2.80 FPR RESITA SOCHAURATE FACE SNG_MATTERAL GL 37ER ROOT DECK NO NO 3.80 FPR RESITA SOCHAURATE FACE SNG_MATTERAL GL 37ER ROOT DECK NO NO 3.80 FPR RESITA SOCHAURATE FACE SNG_MATTERAL GL 37ER ROOT DECK NO NO 3.80 FPR RESITA SOCHAURATE FACE SNG_MATTERAL GL 37ER ROOT DECK NO NO 3.80 FPR RESITA SOCHAURATE FACE SNG_MATTERAL		Product ID	Material	Туре	Facing	Primary Use	Exposed	Retarder?	Product Thickness	Labeled Thermal Perfor- mance	R, K or C Value
FPR RESISTA BOCYMARIANT FACED SNGLE MATERIAL GLS FIRE ROOP DECK NO NO 230 FRR RESISTA BOCYMARIANT FACED SNGLE MATERIAL GLS FIRE ROOP DECK NO NO 230 FRR RESISTA BOCYMARIANT FACED SNGLE MATERIAL GLS FIRE ROOP DECK NO NO 301 FRR RESISTA BOCYMARIANT FACED SNGLE MATERIAL GLS FIRE ROOP DECK NO NO 302 FRR RESISTA TABRERDI AL BOCYMARIANT FACED SNGLE MATERIAL GLS FIRE ROOP DECK NO NO 302 FRR RESISTA TABRERDI AL BOCYMARIANT FACED SNGLE MATERIAL GLS FIRE ROOP DECK NO NO 907 FRT RESISTA TABRERDI AL BOCYMARIANT FACED SNGLE MATERIAL GLS FIRE ROOP DECK NO NO 907 FRT RESISTA TABRERDI AL BOCYMARIANT FACED SNGLE MATERIAL GLS FIRE ROOP DECK NO NO 712 FRT <td>FRR</td> <td>RESISTA</td> <td>ISOCYANURATE</td> <td></td> <td>GLS FBR</td> <td>ROOF DECK</td> <td>NO</td> <td>NO</td> <td>1.75</td> <td>10.00</td> <td>R</td>	FRR	RESISTA	ISOCYANURATE		GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R
FPR RESISTA ISOCYANIJATE FACED SINGE MATERNAL GLS.FPR ROOF DECK NO NO 240 FRR RESISTA ISOCYANIJATE FACED SINGE MATERNAL GLS.FPR ROOF DECK NO NO 10 FRR RESISTA ISOCYANIJATE FACED SINGE MATERNAL GLS.FPR ROOF DECK NO NO 10 FRR RESISTA ISOCYANIJATE FACED SINGE MATERNAL GLS.FPR ROOF DECK NO NO 339 FRR RESISTA ISOCYANIJATE FACED SINGE MATERNAL GLS.FPR ROOF DECK NO NO 370 FRR RESISTA (TARERED) A ISOCYANIJATE FACED SINGE MATERNAL GLS.FPR ROOF DECK NO NO 10 <	FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.00	11.40	R
FPR RESISTA IBOCYNAURARE FACED SINCE MATERIAL GLS FBR ROOF DECK NO NO 2.80 FRR RESISTA ISOCYNAURARE FACED SINCE MATERIAL GLS FBR ROOF DECK NO NO 3.0 FRR RESISTA ISOCYNAURARE FACED SINCE MATERIAL GLS FBR ROOF DECK NO NO 3.0 FRR RESISTA ISOCYNAURARE FACED SINCE MATERIAL GLS FBR ROOF DECK NO NO 4.0 3.7 FRR RESISTA ISOCYNAURARE FACED SINCE MATERIAL GLS FBR ROOF DECK NO NO 4.0 4.0 4.7 7.5 FRT RESISTA (TARRED) A ISOCYNAURARE FACED SINCE MATERIAL GLS FBR ROOF DECK NO NO 4.7 7.5 FRT RESISTA (TARRED) A ISOCYNAURARE FACED SINCE MATERIAL GLS FBR ROOF DECK NO NO 4.7 7.5 FRT RESISTA (TARRED) A ISOCYNAURARE FACED SINCE MATERIAL GLS FBR RO										13.20	R
FRR RESISTA BCOTANUMATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO 3.00 FRR RESISTA BCOTANUMATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO 3.23 FRR RESISTA BCOTANUMATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO 3.23 FRR RESISTA BCOTANUMATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO 4.00 FRT RESISTA (TARERED) A BCOTANUMATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO ************************************										14.40	R
FPR RESISTA IBC/CMAURATE F_ACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO 3.2 FPR RESISTA IBC/CMAURATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO NO 3.0 FPR RESISTA IBC/CMAURATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO 3.0 FPR RESISTA (TAPERED) A IBC/CMAURATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO "12.5 FPR RESISTA (TAPERED) A IBC/CMAURATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO "12.5 FPR RESISTA (TAPERED) A IBC/CMAURATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO "13.0 FPR RESISTA (TAPERED) A IBC/CMAURATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO "14.0 FPR RESISTA (TAPERED) A IBC/CMAURATE FACED SINGLE MITERIAL GLS FPR ROOF DECK NO NO <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>16.20</td><td>R</td></t<>										16.20	R
FPR RESISTA ISOCYANURATE FACED SINGLE MATERNAL GLS FPR ROOF DECK NO NO 3.50 FRR RESISTA ISOCYANURATE FACED SINGLE MATERNAL GLS FPR ROOF DECK NO NO NO 3.75 FRR RESISTA (TAPERD) AN ISOCYANURATE FACED SINGLE MATERNAL GLS FPR ROOF DECK NO NO A.75 FRT RESISTA (TAPERD) A ISOCYANURATE FACED SINGLE MATERNAL GLS FPR ROOF DECK NO NO NO "17.5 FRT RESISTA (TAPERD) A ISOCYANURATE FACED SINGLE MATERNAL GLS FPR ROOF DECK NO NO "17.5 FRT RESISTA (TAPERD) A ISOCYANURATE FACED SINGLE MATERNAL GLS FPR ROOF DECK NO NO "22.50 FRT RESISTA (TAPERD) A ISOCYANURATE FACED SINGLE MATERNAL GLS FPR ROOF DECK NO NO "20.7 FRT RESISTA (TAPERD) A SOCYANURATE FACED SINGLE MATERNAL GLS FPR ROOF DECK NO										17.40	R
FPR RESISTA EOCYMMURATE FACED SINCE MATERIAL GL3 FBR ROOF DECK NO NO 3.75 FRR RESISTA ISOCYMURATE FACED SINCE MATERIAL GL3 FBR ROOF DECK NO NO 4.00 FRT RESISTA ISOCYMURATE FACED SINCE MATERIAL GL3 FBR ROOF DECK NO NO 4.00 FRT RESISTA ISOCYMURATE FACED SINCE MATERIAL GL3 FBR ROOF DECK NO NO **.15 FRT RESISTA (TAPERED) G ISOCYMURATE FACED SINCE MATERIAL GL3 FBR ROOF DECK NO NO **.150 FRT RESISTA (TAPERED) G ISOCYMURATE FACED SINCE MATERIAL GL3 FBR ROOF DECK NO NO **.150 FRT RESISTA (TAPERED) G ISOCYMURATE FACED SINCE MATERIAL GL3 FBR ROOF DECK NO NO **.160 FRT RESISTA (TAPERED) Y ISOCYMURATE FACED SINCE MATERIAL GL3 FBR ROOF DECK NO NO **.100 NO <										18.90 20.50	R R
IPRR RESISTA BOCYMURATE FACED SINCE IMTERAL GLS PRR ROOF DECK NO NO 4.00 FRT RESISTA TAPEREDIA SOCYMURATE FACED SINCE IMTERAL GLS PRR ROOF DECK NO NO NO "15 FRT RESISTA TAPEREDIA SOCYMURATE FACED SINCE IMTERAL GLS PRR ROOF DECK NO NO "15 FRT RESISTA TAPEREDIG SOCYMURATE FACED SINCE IMTERAL GLS PRR ROOF DECK NO NO "125 FRT RESISTA TAPEREDIA SOCYMURATE FACED SINCE IMTERAL GLS PRR ROOF DECK NO NO "126 FRT RESISTA TAPEREDIA SOCYMURATE FACED SINCE IMTERAL GLS PRR ROOF DECK NO NO "126 FRT RESISTA TAPEREDIA SOCYMURATE FACED SINCE IMTERAL GLS PRR ROOF DECK NO NO "126 FRT RESISTA TAPEREDIA SOCYMURATE FACED SINCE IMTERAL GLS PRR ROOF DECK NO NO "125										20.50	R
FRT RESSTA_TAPEREDIA BOCYANURATE FACED SINUE MATERIAL GLS FBR ROOP DECK NO NO ************************************										23.60	R
PHT RESSIN_LIAPERED A BOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO ************************************										4.30	R
FRT RESISTA (TAPERED) C ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.25 FRT RESISTA (TAPERED) L SOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.50 FRT RESISTA (TAPERED) L SOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.50 FRT RESISTA (TAPERED) L SOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.00 FRT RESISTA (TAPERED) L SOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.00 GCG GENELEX CG ISO SOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.50 GCG GENELEX CG ISO SOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.50 GCG GENELEX CG ISO SOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO										7.10	R
FRT RESISTA (TAPERED) G ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO **1.50 FRT RESISTA (TAPERED) G ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO **1.50 FRT RESISTA (TAPERED) X ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO **1.50 FRT RESISTA (TAPERED) X ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO **1.50 FRT RESISTA (TAPERED) X ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO **1.50 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 1.20 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 2.30 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO				FACED SINGLE MATERIAL	GLS FBR	ROOF DECK				10.00	R
FRT RESISTA (TAPERED) IL ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.90 FRT RESISTA (TAPERED) X ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.00 FRT RESISTA (TAPERED) X ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.00 GGG GEMUELX GLS ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 100 GGG GEMUELX GLS ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 175 GGG GEMUELX GLS ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 175 GGG GEMUELX GLS ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.90 GCG GEMUELX GLS ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO										12.90	R
FRT RESISTA (TAPERED) Q ISOCYANURATE FACED SNULE MATERNAL GLS FBR ROOF DECK NO NO "1.00 FRT RESISTA (TAPERED) Y ISOCYANURATE FACED SNULE MATERNAL GLS FBR ROOF DECK NO NO "1.00 GCG GENELEX CG ISO ISOCYANURATE FACED SNULE MATERNAL GLS FBR ROOF DECK NO NO 1.00 GCG GENELEX CG ISO ISOCYANURATE FACED SNULE MATERNAL GLS FBR ROOF DECK NO NO 1.00 GCG GENELEX CG ISO ISOCYANURATE FACED SNULE MATERNAL GLS FBR ROOF DECK NO NO 1.20 GCG GENFLEX CG ISO ISOCYANURATE FACED SNULE MATERNAL GLS FBR ROOF DECK NO NO 2.00 GCG GENFLEX CG ISO ISOCYANURATE FACED SNULE MATERNAL GLS FBR ROOF DECK NO NO 2.30 GCG GENFLEX CG ISO ISOCYANURATE FACED SNULE MATERNAL GLS FBR ROOF DECK NO NO 2.30										8.60	R
FRT RESISTA (TAPERED) X ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.00 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.00 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.30 <										14.40	R
FRT RESITA (TAPERED) Y ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO ************************************										8.60	R
GCQ GENNELEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.00 GCQ GENNELEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GCQ GENNELEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GCQ GENNELEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00 GCQ GENNELEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00 GCQ GENNELEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.20 GCQ GENNELEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.20 GCQ GENNELEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.00 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5.70 11.40</td> <td>R R</td>										5.70 11.40	R R
GCG GENTLEX CG ISO ISOCYANURATE FACED SINCLE MATERNAL GLS FBR ROOF DECK NO NO 1.25 GCG GENTLEX CG ISO ISOCYANURATE FACED SINCLE MATERNAL GLS FBR ROOF DECK NO NO 1.75 GCG GENTLEX CG ISO ISOCYANURATE FACED SINCLE MATERNAL GLS FBR ROOF DECK NO NO 2.00 GCG GENTLEX CG ISO ISOCYANURATE FACED SINCLE MATERNAL GLS FBR ROOF DECK NO NO 2.30 GCG GENTLEX CG ISO ISOCYANURATE FACED SINCLE MATERNAL GLS FBR ROOF DECK NO NO 2.30 GCG GENTLEX CG ISO ISOCYANURATE FACED SINCLE MATERNAL GLS FBR ROOF DECK NO NO 3.20 GCG GENTLEX CG ISO ISOCYANURATE FACED SINCLE MATERNAL GLS FBR ROOF DECK NO NO 3.25 GCG GENTLEX CG ISO ISOCYANURATE FACED SINCLE MATERNAL GLS FBR ROOF DECK NO NO 3.25										5.70	R
GCG GENTLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 1.50 GCG GENTLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 2.00 GCG GENTLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 2.30 GCG GENTLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 2.80 GCG GENTLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 3.00 GCG GENTLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 3.00 GCG GENTLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 3.00 GCG GENTLEX CG ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 3.00										7.10	R
GCG GENFLEX C6 ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 1.75 GCG GENFLEX C6 ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 2.30 GCG GENFLEX C6 ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 2.30 GCG GENFLEX C6 ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 2.80 GCG GENFLEX C6 ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 3.00 GCG GENFLEX C6 ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO 3.00 GCG GENFLEX C6 ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO NO 3.00 GCG GENFLEX C6 ISO ISOCYANURATE FACED SINGLE MATERNAL GLS FBR ROOF DECK NO NO NO </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.60</td> <td>R</td>										8.60	R
GCG GENFLEX GG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 2.30 GCG GENFLEX GG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 2.50 GCG GENFLEX GG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.00 GCG GENFLEX GG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.00 GCG GENFLEX GG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.50 GCG GENFLEX GG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.00 GGG GENFLEX GG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 1.00 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 1.00	GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R
GCC GENELEX GISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 2.50 GCG GENELEX GISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.00 GCG GENELEX GISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.25 GCG GENELEX GISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.50 GCG GENELEX GISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.50 GCG GENELEX GISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 4.00 NO 4.00 NO 4.00 NO 4.00 NO 4.00 NO 4.00 NO 1.00 ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 1.20 ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROO										11.40	R
GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 2.80 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.20 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.26 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 3.75 GCG GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 4.00 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 1.00 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 1.25 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERAL GLS FBR ROOF DECK NO NO 1.25										13.20	R
GCG GENFLEX.CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.00 GCG GENFLEX.CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.25 GCG GENFLEX.CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.25 GCG GENFLEX.CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 4.00 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.05 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.20										14.40	R
GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.50 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.50 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 4.00 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.00 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.50 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.75 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00										16.20	R
GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOP DECK NO NO 3.59 GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOP DECK NO NO 4.00 GGL GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOP DECK NO NO 4.00 GGL GENFLEX CLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOP DECK NO NO 1.00 GGL GENFLEX CLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOP DECK NO NO 1.00 GGL GENFLEX CLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOP DECK NO NO 1.00										17.40 18.90	R R
GCG GENFLEX CG ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.75 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 100 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.05 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.75 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 <										20.50	R
GCG GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 4.00 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.00 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.50 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GGL GENFLEX.GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30										22.00	R
GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.00 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.25 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.26 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GGL GENFLEX GLISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.05										23.60	R
GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.50 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 1.75 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.60 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.20 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.25										5.70	R
GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO1.75GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.00GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.30GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.80GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.00GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITE<										7.10	R
GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.00 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.30 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.50 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 2.80 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.00 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.50 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.50 GGL GENFLEX GL ISO ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO 3.50										8.60	R
GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.30GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.80GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.00GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.25GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.75GGLGENFLEX HD COMPOSITE ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.75GGLGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO1.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.30GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECO										10.00	R
GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.00GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.00GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.25GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.75GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO4.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO1.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITE <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>11.40</td><td>R</td></t<>										11.40	R
GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO2.80GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.00GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.25GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO4.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO1.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBO										13.20 14.40	R R
GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.00GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.75GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO4.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARD<										16.20	R
GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.25GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.75GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO4.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO1.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIAL <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>17.40</td><td>R</td></t<>										17.40	R
GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.50GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.75GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO4.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO1.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AISOCYANURATECOMPOSITEBOARDROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIAL										18.90	R
GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO3.75GGLGENFLEX GL ISOISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO4.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO1.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AAISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO GISOCYANU										20.50	R
GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO1.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AAISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AAISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**0.75GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**2.25GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50 <tr<tr>GLTTAPERED GENFL</tr<tr>	GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL		ROOF DECK	NO	NO	3.75	22.00	R
GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AAISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**0.75GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO BISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO CISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTT										23.60	R
GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO2.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AAISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**0.75GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.75GLTTAPERED GENFLEX GL ISO BISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.75GLTTAPERED GENFLEX GL ISO CISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**2.25GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**2.5										8.20	R
GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.00GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AAISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**0.75GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO BISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.75GLTTAPERED GENFLEX GL ISO CISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**2.25GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO QISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNO										11.10	R
GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO3.50GHCGENFLEX HD COMPOSITE ISOISOCYANURATECOMPOSITEBOARDROOF DECKNONO4.00GLTTAPERED GENFLEX GL ISO AAISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**0.75GLTTAPERED GENFLEX GL ISO AISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.25GLTTAPERED GENFLEX GL ISO BISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.75GLTTAPERED GENFLEX GL ISO CISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**2.25GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**2.25GLTTAPERED GENFLEX GL ISO GISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO HISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO QISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO QISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECKNONO**1.50GLTTAPERED GENFLEX GL ISO QISOCYANURATEFACED SINGLE MATERIALGLS FBRROOF DECK <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>13.90</td> <td>R</td>										13.90	R
GHC GENFLEX HD COMPOSITE ISO ISOCYANURATE COMPOSITE BOARD ROOF DECK NO NO 4.00 GLT TAPERED GENFLEX GL ISO AA ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **0.75 GLT TAPERED GENFLEX GL ISO AA ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.25 GLT TAPERED GENFLEX GL ISO A ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.25 GLT TAPERED GENFLEX GL ISO B ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.75 GLT TAPERED GENFLEX GL ISO C ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.25 GLT TAPERED GENFLEX GL ISO G ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO G ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>16.90 19.90</td> <td>R R</td>										16.90 19.90	R R
GLT TAPERED GENFLEX GL ISO AA ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **0.75 GLT TAPERED GENFLEX GL ISO A ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.25 GLT TAPERED GENFLEX GL ISO B ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.25 GLT TAPERED GENFLEX GL ISO C ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.25 GLT TAPERED GENFLEX GL ISO C ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.25 GLT TAPERED GENFLEX GL ISO G ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO G ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR										23.00	R
GLT TAPERED GENFLEX GL ISO A ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.25 GLT TAPERED GENFLEX GL ISO B ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.75 GLT TAPERED GENFLEX GL ISO C ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.25 GLT TAPERED GENFLEX GL ISO G ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.25 GLT TAPERED GENFLEX GL ISO G ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO H ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.50 GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR <										4.30	R
GLT TAPERED GENFLEX GL ISO B ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.75 GLT TAPERED GENFLEX GL ISO C ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.25 GLT TAPERED GENFLEX GL ISO G ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO H ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.50 GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50										7.10	R
GLT TAPERED GENFLEX GL ISO G ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50 GLT TAPERED GENFLEX GL ISO H ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.50 GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.50									**1.75	10.00	R
GLT TAPERED GENFLEX GL ISO H ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.50 GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50										12.90	R
GLT TAPERED GENFLEX GL ISO Q ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.50										8.60	R
										14.40	R
										8.60	R
GLT TAPERED GENFLEX GL ISO X ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **1.00 GLT TAPERED GENFLEX GL ISO Y ISOCYANURATE FACED SINGLE MATERIAL GLS FBR ROOF DECK NO NO **2.00										5.70 11.40	R R

BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS												
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value		
GNB	GENFLEX HG ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	1.50	6.30	R		
GNB	GENFLEX HG ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.00	9.20	R		
GNB	GENFLEX HG ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.50	12.00	R		
GNB	GENFLEX HG ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.00	15.00	R		
GNB	GENFLEX HG ISO	ISOCYANURATE ISOCYANURATE	COMPOSITE COMPOSITE	BOARD BOARD	ROOF DECK ROOF DECK	NO NO	NO NO	3.50 4.00	18.00 21.10	R		
GNB GTC	GENFLEX HG ISO COATED GLASS FACER (TAPERED) AA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**0.75	4.30	R		
GTC	COATED GLASS FACER (TAPERED) A	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.25	7.10	R		
GTC	COATED GLASS FACER (TAPERED) B	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.75	10.00	R		
GTC	COATED GLASS FACER (TAPERED) C	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.25	12.90	R		
GTC	COATED GLASS FACER (TAPERED) G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R		
GTC	COATED GLASS FACER (TAPERED) H	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.50	14.40	R		
GTC	COATED GLASS FACER (TAPERED) Q	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R		
GTC	COATED GLASS FACER (TAPERED) X	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.00	5.70	R		
GTC	COATED GLASS FACER (TAPERED) Y	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO NO	NO NO	**2.00 1.00	<u>11.40</u> 5.70	R		
GXC GXC	COATED GLASS FACER (FLAT) COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO	NU NO	1.00	<u>5.70</u> 7.10	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.50	8.60	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.00	11.40	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.30	13.20	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.50	14.40	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.80	16.20	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	18.90	R		
GXC GXC	COATED GLASS FACER (FLAT) COATED GLASS FACER (FLAT)	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	3.50 3.75	20.50 22.00	R		
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	4.00	23.60	R		
GXH	GENFLEX HD ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	0.50	2.50	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.00	5.70	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.25	7.10	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.50	8.60	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.00	11.40	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.30	13.20	R		
GXI GXI	GENFLEX ISO INSULATION GENFLEX ISO INSULATION	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	2.50	14.40 16.20	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	18.90	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.50	20.50	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.75	22.00	R		
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	4.00	23.60	R		
GXT	TAPERED GENFLEX ISO AA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**0.75	4.30	R		
GXT	TAPERED GENFLEX ISO A	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.25	7.10	R		
GXT GXT	TAPERED GENFLEX ISO B TAPERED GENFLEX ISO C	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	**1.75 **2.25	10.00 12.90	R		
GXT	TAPERED GENFLEX ISO C TAPERED GENFLEX ISO G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	**1.50	12.90 8.60	R		
GXT	TAPERED GENFLEX ISO G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.50	14.40	R		
GXT	TAPERED GENFLEX ISO Q	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R		
GXT	TAPERED GENFLEX ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.00	5.70	R		
GXT	TAPERED GENFLEX ISO Y	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.00	11.40	R		
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.00	5.70	R		
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.25	7.10	R		
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.50	8.60	R		
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R		
IGL IGL	ISOGARD GL ISOGARD GL	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	GLS FBR GLS FBR	ROOF DECK ROOF DECK	NO NO	NO NO	2.00	11.40 13.20	R R		
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.30	13.20	R		
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.30	16.20	R		
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R		

			BHGS - THERMAL IN BOARD INSULATION MANU		••••					
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	18.90	R
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.50	20.50	R
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.75	22.00	R
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.80	22.30	R
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	4.00	23.60	R
IHG	ISOGARD HG	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	1.50	6.30	R
IHG	ISOGARD HG	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.00	9.20	R
IHG	ISOGARD HG	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.50	12.00	R
IHG	ISOGARD HG	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.00	15.00	R
IHG	ISOGARD HG	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.50	18.00	R
IHG	ISOGARD HG	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	4.00	21.10	R
TCG	GENFLEX CG ISO (TAPERED) AA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**0.75	4.30	R
TCG	GENFLEX CG ISO (TAPERED) A	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.25	7.10	R
TCG	GENFLEX CG ISO (TAPERED) B	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.75	10.00	R
TCG	GENFLEX CG ISO (TAPERED) C	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.25	12.90	R
TCG	GENFLEX CG ISO (TAPERED) G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
TCG	GENFLEX CG ISO (TAPERED) H	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.50	14.40	R
TCG	GENFLEX CG ISO (TAPERED) Q	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
TCG	GENFLEX CG ISO(TAPERED) X	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.00	5.70	R
TCG	GENFLEX CG ISO (TAPERED) Y	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.00	11.40	R

**Average Thickness

* DESCRIPTION OF BRAND CODES:		
CGT = ISOGARD CG ISO (TAPERED)	FRH = ISOGARD HD	GHC = GENFLEX HD COMPOSITE ISO
FBT = ISO 95+ GL (TAPERED)	FRI = ISO 95+ GL	GLT = GENFLEX GL ISO (TAPERED)
FCG = ISOGARD CG	FRR = RESISTA	GNB = GENFLEX NB ISO
FGL = ISOGARD GL (TAPERED)	FRT = RESISTA (TAPERED)	GTC = COATED GLASS FACER (TAPERED)
FHG = HAILGARD	GCG = GENFLEX CG ISO	GXC = COATED GLASS FACER (FLAT)
FRC = ISOGARD HD COMPOSITE	GGL = GENFLEX GL ISO	GXH = GENFLEX HD ISO

GXI = GENFLEX ISO GXT = TAPERED GENFLEX ISO IGL = ISOGARD GL IHG = ISOGARD HG TCG = GENFLEX CG ISO (TAPERED)

	GAF	Materials Corp - T 1454		Updated 09/25/2020						
EG	4710	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R
EG	4715	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
EG	4716	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.60	9.10	R
EG	4717	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.70	9.70	R
EG	4718	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.80	10.30	R
EG	4719	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.90	10.80	R
EG	4720	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
EG	4721	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R
EG	4722	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.20	12.60	R
EG	4723	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R
EG	4724	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.40	13.80	R
EG	4725	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
EG	4726	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R
EG	4727	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R
EG	4728	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.80	16.20	R
EG	4729	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.90	16.80	R
EG	4730	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
EG	4731	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.10	18.00	R
EG	4733	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R
EG	4734	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.40	19.90	R
EG	4735	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
EG	4738	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.80	22.30	R
EG	4739	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.90	23.00	R
EG	4740	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
EG	4741	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.10	24.20	R
EG	4742	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.20	24.80	R
EG	47A0	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R

	BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS												
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value			
EG	47A5	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R			
EG	47B0	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R			
EG	47B1	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R			
EG	47B2	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.20	12.60	R			
EG	47B5	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R			
EG	47B6	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R			
EG	47C0	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R			
EG	47C3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R			
EG	47C5	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R			
EG	47D0	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R			
EG	47D5	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R			
EG	47D6	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R			
EG	47D8	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25	18.90	R			
EG	47D45	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.50	26.60	R			
EGH	47H1	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	2.50	R			
EGH	47H2	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	2.50	R			
EGP	47H3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	2.50	R			
EGP	47H4	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	2.50	R			
EGU	4A00	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R			
EGU	4A05	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R			
EGU	4A10	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R			
EGU	4A16	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R			
EGU	4A20	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R			
EGU	4A23	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R			
EGU	4A30	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R			
EGU	4A33	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R			
EGU	4A42	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R			

* DESCRIPTION OF BRAND CODES: EG = ENERGYGUARD

D EGU = ENERGYGUARD ULTRA

EGH = ENERGYGUARD HD EGP = ENERGYGUARD HD PLUS

Hunter Panels - T 1420 Updated 09/30/2024 HCG H-SHIELD CG ISOCYANURATE FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK NO NO 1.00 5.70 R HCG H-SHIELD CG ISOCYANURATE FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK NO NO 1.50 8.60 R HCG H-SHIELD CG ISOCYANURATE FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK NO NO 2.00 11.40 R FACED SINGLE MATERIAL HCG H-SHIELD CG COATED GLASS FELT ROOF DECK NO 15.60 R ISOCYANURATE NO 2.70 HCG H-SHIELD CG ISOCYANURATE FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK NO NO 3.00 17.40 R HCG H-SHIELD CG ISOCYANURATE FACED SINGLE MATERIAL ROOF DECK NO NO 4.00 23.60 R COATED GLASS FELT HCG PW-CG ISOCYANURATE FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK NO NO 1.00 R 5.70 PW-CG COATED GLASS FELT ROOF DECK R HCG ISOCYANURATE FACED SINGLE MATERIAL NO NO 1.50 8.60 HCG PW-CG **ISOCYANURATE** FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK NO NO 2.00 11.40 R FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK HCG PW-CG ISOCYANURATE NO NO 2.70 15.60 R **ISOCYANURATE** FACED SINGLE MATERIAL COATED GLASS FELT NO HCG PW-CG ROOF DECK NO 3.00 17.40 R HCG PW-CG ISOCYANURATE FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK NO NO 4.00 23.60 R HFF H-SHIELD F **ISOCYANURATE** FACED SINGLE MATERIAL ALUM FOIL CRAFT ROOF DECK NO NO 1.00 6.5 ** R HFF H-SHIELD F ISOCYANURATE FACED SINGLE MATERIAL ALUM FOIL CRAFT ROOF DECK NO NO 1.50 10.0 ** R HFF H-SHIELD F **ISOCYANURATE** FACED SINGLE MATERIAL ALUM FOIL CRAFT ROOF DECK NO NO 2.00 13.3 ** R HFF H-SHIELD F **ISOCYANURATE** FACED SINGLE MATERIAL ALUM FOIL CRAFT ROOF DECK NO NO 3.00 20.3 ** R HFF H-SHIELD F ISOCYANURATE FACED SINGLE MATERIAL ALUM FOIL CRAFT ROOF DECK NO NO 4.00 27.0 ** R HHC H-SHIELD HD COMPOSITE ISOCYANURATE COMPOSITE COATED GLASS FELT ROOF DECK NO 2.50 13.90 NO R H-SHIELD HD COMPOSITE ROOF DECK HHC ISOCYANURATE COMPOSITE COATED GLASS FELT NO NO 3.00 16.90 R HHD H-SHIELD HD ISOCYANURATE FACED SINGLE MATERIAL COATED GLASS FELT ROOF DECK NO NO 0.50 2.50 R HNB H-SHIELD NB ISOCYANURATE COMPOSITE WAFERBOARD ROOF DECK NO NO 1.50 6.20 R HNB H-SHIELD NB ISOCYANURATE COMPOSITE WAFERBOARD ROOF DECK NO NO 2.00 R 9.20 HNB H-SHIELD NB ISOCYANURATE COMPOSITE WAFERBOARD ROOF DECK NO NO 3.00 15.00 R HNB H-SHIELD NB ISOCYANURATE COMPOSITE WAFERBOARD ROOF DECK NO NO 4.00 R 21.10

BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS												
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value		
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R		
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R		
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R		
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R		
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R		
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R		
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R		
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R		
HSP	H-SHIELD PREMIER	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.70	R		
HWF	H-SHIELD WF	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	1.50	7.00	R		
HWF	H-SHIELD WF	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	2.00	10.00	R		
HWF	H-SHIELD WF	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	2.50	12.80	R		
HWF	H-SHIELD WF	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	3.00	15.80	R		
HWF	H-SHIELD WF	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	3.50	18.80	R		
HWF	H-SHIELD WF	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	4.00	21.90	R		
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	0.50	3.00	R		
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	0.75	4.50	R		
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	1.00	6.00	R		
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	1.50	9.00	R		
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	2.00	12.10	R		
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	2.50	15.30	R		
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	3.00	18.50	R		
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL WALL	NO	YES	3.30	20.40	R		
XCC XCC	XCI CG XCI CG	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO NO	YES YES	3.50 4.00	21.70	R R		
XCC	XCICG	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED GLASS FELT COATED GLASS FELT	WALL	NO	YES	4.50	24.90	R		
XCA	XCI CLASS A	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.00	6.30	R		
XCA	XCI CLASS A	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.50	9.50	R		
XCA	XCI CLASS A	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	2.00	13.00	R		
XCA	XCI CLASS A	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	2.50	16.00	R		
XCA	XCI CLASS A	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	3.00	19.00	R		
XCA	XCI CLASS A	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	3.50	22.00	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	0.50	3.00	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	0.75	4.50	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	1.00	6.00	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	1.50	9.00	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	2.00	12.10	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	2.50	15.30	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	2.70	16.60	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	3.00	18.50	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	3.50	21.70	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	4.00	24.90	R		
XCF	XCI FOIL	ISOCYANURATE	FACED SINGLE MATERIAL	ALUMINUM FOIL KRAFT	WALL	NO	YES	4.50	28.10	R		
XAP XAP	XCI CLASS A PLUS XCI CLASS A PLUS	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	WALL	YES YES	YES YES	1.00	6.60 9.70	R		
XAP	XCI CLASS A PLUS XCI CLASS A PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	WALL	YES	YES	2.00	13.00	R R		
XCI	XCI CLASS A FLUS XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.00	6.30	R		
XCI	XCI 286 XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	WALL	YES	YES	1.00	7.60	R		
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.50	9.50	R		
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.60	10.10	R		
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	2.00	13.00	R		
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	2.10	13.50	R		
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	2.50	16.00	R		
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	3.00	19.00	R		
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	3.10	19.50	R		
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	3.50	22.00	R		
XCN	XCI NB	ISOCYANURATE	COMPOSITE	WAFERBOARD	WALL	NO	NO	1.50	6.60	R		
XCN	XCI NB	ISOCYANURATE	COMPOSITE	WAFERBOARD	WALL	NO	NO	2.00	9.60	R		
XCN	XCI NB	ISOCYANURATE	COMPOSITE	WAFERBOARD	WALL	NO	NO	2.10	10.20	R		
XCN	XCI NB	ISOCYANURATE	COMPOSITE	WAFERBOARD	WALL	NO	NO	2.50	12.70	R		

		E	BHGS - THERMAL IN BOARD INSULATION MANU	ISULATION DIRECTO						
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
XCN	XCI NB	ISOCYANURATE	COMPOSITE	WAFERBOARD	WALL	NO	NO	3.00	15.90	R
XCN	XCI NB	ISOCYANURATE	COMPOSITE	WAFERBOARD	WALL	NO	NO	3.50	19.10	R
XCN	XCI NB	ISOCYANURATE	COMPOSITE	WAFERBOARD	WALL	NO	NO	4.50	25.60	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	1.60	6.60	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	1.70	7.20	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	2.10	9.60	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	2.20	10.20	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	2.60	12.70	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	2.70	13.30	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	3.10	15.90	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	3.20	16.40	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	3.60	18.50	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	3.70	19.10	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	3.80	19.60	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	4.10	21.10	R
XCP	XCI PLY	ISOCYANURATE	COMPOSITE	PLYWOOD	WALL	NO	NO	4.70	24.10	R

**= Initial R-Values

* DESCRIPTION OF BRAND CODES:				
HCG = H-SHIELD-CG	HHD=H-SHIELD HD	HSP = H-SHIELD PREMIER	XCA = XCI CLASS A	XCI = XCI 286
HFF = H-SHIELD-F	HNB = H-SHIELD-NB	HWF = H-SHIELD-WF	XCC = XCI CG	XCP = XCI PLY
HHC = H-SHIELD HD COMPOSITE	HSD = H-SHIELD	XAP = XCI CLASS A PLUS	XCF = XCI FOIL	XCN = XCI NB

	Johns N	Manville - T 1341			l	Updated 11/10/202	2			
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	0.50	2.90	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	0.62	3.50	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	0.75	5.00	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	1.00	6.00	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	1.20	7.50	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	1.50	9.30	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	1.55	9.60	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	1.65	10.00	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	2.00	13.00	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	2.50	16.00	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	3.00	19.00	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	3.50	22.00	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.00	26.00	R
JM	AP FOIL-FACED SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.50	28.00	R
JM	CIMAX 0.5	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	0.50	2.90	R
JM	CIMAX 0.77	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	0.77	4.50	R
JM	CIMAX 0.85	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	0.85	5.00	R
JM	CIMAX 1	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.00	6.00	R
JM	CIMAX 1.50	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.50	9.30	R
JM	CIMAX 1.55	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.55	9.60	R
JM	CIMAX 1.65	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.65	10.00	R
JM	CIMAX 2	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	2.00	13.00	R
JM	CIMAX 2.5	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	2.50	16.00	R
JM	CIMAX 3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	3.00	19.00	R
JM	CIMAX 3.5	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	3.50	22.00	R
JM	CIMAX 4	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	4.00	26.00	R
JM	ENRGY 3® 0.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	3.00	R
JM	ENRGY 3® 0.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	4.50	R
JM	ENRGY 3® 1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R
JM	ENRGY 3® 1.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.10	6.30	R
JM	ENRGY 3® 1.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.20	6.80	R
JM	ENRGY 3® 1.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25	7.10	R
JM	ENRGY 3® 1.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.30	7.40	R
JM	ENRGY 3® 1.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.40	8.00	R

	BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS											
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value		
JM	ENRGY 3® 1.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R		
JM	ENRGY 3® 1.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.60	9.10	R		
JM	ENRGY 3® 1.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.70	9.70	R		
JM	ENRGY 3® 1.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R		
JM	ENRGY 3® 1.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.80	10.30	R		
JM	ENRGY 3® 1.9"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.90	10.80	R		
JM	ENRGY 3® 2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R		
JM	ENRGY 38 2.1"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO	NO	2.10	12.00	R		
JM JM	ENRGY 3® 2.2" ENRGY 3® 2.25"	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO NO	NO NO	2.20 2.25	12.60 12.90	R		
JM	ENRGY 3® 2.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R		
JM	ENRGY 3® 2.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.40	13.80	R		
JM	ENRGY 3® 2.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R		
JM	ENRGY 3® 2.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R		
JM	ENRGY 3® 2.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R		
JM	ENRGY 3® 2.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75	15.90	R		
JM	ENRGY 3® 2.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.80	16.20	R		
JM	ENRGY 3® 2.9"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.90	16.80	R		
JM JM	ENRGY 3® 3" ENRGY 3® 3.1"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	3.00	17.40 18.00	R R		
JM	ENRGY 3® 3.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.20	18.60	R		
JM	ENRGY 3® 3.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25	18.90	R		
JM	ENRGY 3® 3.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R		
JM	ENRGY 3® 3.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.40	19.90	R		
JM	ENRGY 3® 3.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R		
JM	ENRGY 3® 3.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.60	21.10	R		
JM	ENRGY 38 3.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.70	21.70	R		
JM	ENRGY 3® 3.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.75	22.00	R		
JM JM	ENRGY 3® 3.8" ENRGY 3® 3.9"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	3.80 3.90	22.30 23.00	R R		
JM	ENRGY 3® 3.9 ENRGY 3® 4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R		
JM	ENRGY 3® 4.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.10	23.00	R		
JM	ENRGY 3® 4.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.20	24.90	R		
JM	ENRGY 3® 4.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.30	25.50	R		
JM	ENRGY 3® 4.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.40	26.10	R		
JM	ENRGY 3® 4.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.50	26.80	R		
JM	Tapered ENRGY 3® 1A	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	3.60	R		
JM	Tapered ENRGY 3® 1B	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75**	5.00	R		
JM	Tapered ENRGY 3® 01	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1** 1.25**	6.40	R		
JM JM	Tapered ENRGY 3® 02 Tapered ENRGY 3® 03	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1.25**	7.80 9.30	R R		
JM	Tapered ENRGY 3® 03	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	10.70	R		
JM	Tapered ENRGY 3® 05	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.10	R		
JM	Tapered ENRGY 3® 06	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25**	13.60	R		
JM	Tapered ENRGY 3® AA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	4.30	R		
JM	Tapered ENRGY 3® A	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	7.10	R		
JM	Tapered ENRGY 3® B	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	10.00	R		
JM	Tapered ENRGY 3® C	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.90	R		
JM	Tapered ENRGY 3® D	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	15.90	R		
JM	Tapered ENRGY 3® E	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO NO	3** 3.5**	18.90	R		
JM JM	Tapered ENRGY 3® F Tapered ENRGY 3® G	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	3.5**	22.10 8.60	R R		
JM	Tapered ENRGY 3® G	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	14.40	R		
JM	Tapered ENRGY 3® J	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	 1**	7.80	R		
JM	Tapered ENRGY 3® K	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	12.10	R		
JM	Tapered ENRGY 3® L	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	16.60	R		
JM	Tapered ENRGY 3® M	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25**	21.20	R		
JM	Tapered ENRGY 3® 1	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3**	20.50	R		
JM	Tapered ENRGY 3® X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	5.70	R		
JM	Tapered ENRGY 3® Y	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	11.40	R		

BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS												
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value		
JM	Tapered ENRGY 3® Z	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	17.40	R		
JM	Tapered ENRGY 3® ZZ	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.5**	23.60	R		
JM	Tapered ENRGY 3® SS	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	7.10	R		
JM	Tapered ENRGY 3® TT	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	15.90	R		
JM	Tapered ENRGY 3® Q	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	8.60	R		
JM	Tapered ENRGY 3® QQ	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	20.50	R		
JM JM	Tapered ENRGY 3® R Tapered ENRGY 3® S	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	0.75** 1.25**	5.70 8.60	R R		
JM	Tapered ENRGY 3® T	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	11.40	R		
JM	Tapered ENRGY 3® U	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25**	14.40	R		
JM	Tapered ENRGY 3® V	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75**	17.40	R		
JM	Tapered ENRGY 3® W	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25**	20.50	R		
JM	Tapered ENRGY 3® XX	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	11.40	R		
JM	Tapered ENRGY 3® KK	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	9.30	R		
JM	Tapered ENRGY 3® JJ	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	5.00	R		
JM	Tapered ENRGY 3® FF	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4**	25.30	R		
JM	Tapered ENRGY 3® LL	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2** 2.75**	13.60	R		
JM JM	Tapered ENRGY 3® MM ENRGY 3® 0.5" 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	0.50	18.20 3.00	R R		
JM	ENRGY 3® 0.75" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	4.50	R		
JM	ENRGY 3® 1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R		
JM	ENRGY 3® 1.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.10	6.30	R		
JM	ENRGY 3® 1.2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.20	6.80	R		
JM	ENRGY 3® 1.25" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25	7.10	R		
JM	ENRGY 3® 1.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.30	7.40	R		
JM	ENRGY 3® 1.4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.40	8.00	R		
JM	ENRGY 3® 1.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R		
JM JM	ENRGY 3® 1.6" 25PSI ENRGY 3® 1.7" 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1.60	9.10 9.70	R R		
JM	ENRGY 3® 1.7 25PSI ENRGY 3® 1.75" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R		
JM	ENRGY 3® 1.8" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.80	10.30	R		
JM	ENRGY 3® 1.9" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.90	10.80	R		
JM	ENRGY 3® 2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R		
JM	ENRGY 38 2.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R		
JM	ENRGY 3® 2.2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.20	12.60	R		
JM	ENRGY 3® 2.25" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25	12.90	R		
JM	ENRGY 3® 2.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R		
JM JM	ENRGY 3® 2.4" 25PSI ENRGY 3® 2.5" 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	2.40 2.50	13.80 14.40	R R		
JM	ENRGY 38 2.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R		
JM	ENRGY 38 2.7" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R		
JM	ENRGY 3® 2.75" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75	15.90	R		
JM	ENRGY 3® 2.8" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.80	16.20	R		
JM	ENRGY 3® 2.9" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.90	16.80	R		
JM	ENRGY 3® 3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R		
JM	ENRGY 3® 3.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.10	18.00	R		
JM	ENRGY 3® 3.2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.20	18.60	R		
JM	ENRGY 3® 3.25" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25	18.90	R		
JM JM	ENRGY 3® 3.3" 25PSI ENRGY 3® 3.4" 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	3.30 3.40	19.20 19.90	R R		
JM	ENRGY 3@ 3.4 25PSI ENRGY 3® 3.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.40	20.50	R		
JM	ENRGY 3® 3.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.60	20.30	R		
JM	ENRGY 38 3.7" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.70	21.70	R		
JM	ENRGY 3® 3.75" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.75	22.00	R		
JM	ENRGY 3® 3.8" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.80	22.30	R		
JM	ENRGY 38 3.9" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.90	23.00	R		
JM	ENRGY 3® 4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R		
JM	ENRGY 3® 4.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.10	24.20	R		
JM	ENRGY 3® 4.2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.20	24.90	R		
JM	ENRGY 3® 4.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.30	25.50	R		

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JM	ENRGY 3® 4.4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.40	26.10	R		
JM	ENRGY 3® 4.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.50	26.80	R		
JM	Tapered ENRGY 3® 1A 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	3.60	R		
JM	Tapered ENRGY 3® 1B 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75**	5.00	R		
JM	Tapered ENRGY 3® 01 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	6.40	R		
JM	Tapered ENRGY 3® 02 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	7.80	R		
JM	Tapered ENRGY 3® 03 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	9.30	R		
JM JM	Tapered ENRGY 3® 04 25PSI Tapered ENRGY 3® 05 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1.75** 2**	10.70 12.10	R R		
JM	Tapered ENRGY 3® 06 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25**	13.60	R		
JM	Tapered ENRGY 3® AA 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	4.30	R		
JM	Tapered ENRGY 3® A 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	7.10	R		
JM	Tapered ENRGY 3® B 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	10.00	R		
JM	Tapered ENRGY 3® C 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.90	R		
JM	Tapered ENRGY 3® D 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	15.90	R		
JM	Tapered ENRGY 3® E 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3**	18.90	R		
JM	Tapered ENRGY 3® F 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.5**	22.10	R		
JM JM	Tapered ENRGY 3® G 25PSI Tapered ENRGY 3® H 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1** 2**	8.60 14.40	R R		
JM	Tapered ENRGY 3® H 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO		7.80	R		
JM	Tapered ENRGY 3® K 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	12.10	R		
JM	Tapered ENRGY 3® L 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	16.60	R		
JM	Tapered ENRGY 3® M 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25**	21.20	R		
JM	Tapered ENRGY 3® 125PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3**	20.50	R		
JM	Tapered ENRGY 3® X 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	5.70	R		
JM	Tapered ENRGY 3® Y 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	11.40	R		
JM	Tapered ENRGY 3® Z 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	17.40	R		
JM JM	Tapered ENRGY 3® ZZ 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO	3.5**	23.60	R		
JM JM	Tapered ENRGY 3® SS 25PSI Tapered ENRGY 3® TT 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO NO	0.5** 2**	15.90	R R		
JM	Tapered ENRGY 3® Q 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	8.60	R		
JM	Tapered ENRGY 3® QQ 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	20.50	R		
JM	Tapered ENRGY 3® R 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75**	5.70	R		
JM	Tapered ENRGY 3® S 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	8.60	R		
JM	Tapered ENRGY 3® T 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	11.40	R		
JM	Tapered ENRGY 3® U 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25**	14.40	R		
JM	Tapered ENRGY 3® V 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75**	17.40	R		
JM	Tapered ENRGY 3® W 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25** 1**	20.50	R		
JM JM	Tapered ENRGY 3® XX 25PSI Tapered ENRGY 3® KK 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1.25**	11.40 9.30	R R		
JM	Tapered ENRGY 3® JJ 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	9.30 5.00	R		
JM	Tapered ENRGY 3® FF 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4**	25.30	R		
JM	Tapered ENRGY 3® LL 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	13.60	R		
JM	Tapered ENRGY 3® MM 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75**	18.20	R		
JM	ENRGY 3® CGF 0.5"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.50	3.00	R		
JM	ENRGY 3® CGF 0.75"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.75	4.50	R		
JM	ENRGY 3® CGF 1"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.00	5.70	R		
JM	ENRGY 3® CGF 1.1"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.10	6.30	R		
JM	ENRGY 3® CGF 1.2"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO	NO	1.20	6.80	R		
JM JM	ENRGY 3® CGF 1.25" ENRGY 3® CGF 1.3"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO NO	NO NO	1.25	7.10	R R		
JM	ENRGY 3® CGF 1.3" ENRGY 3® CGF 1.4"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO NO	NO	1.30	8.00	R		
JM	ENRGY 3® CGF 1.4 ENRGY 3® CGF 1.5"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.50	8.60	R		
JM	ENRGY 3® CGF 1.6"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.60	9.10	R		
JM	ENRGY 3® CGF 1.7"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.70	9.70	R		
JM	ENRGY 3® CGF 1.75"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.75	10.00	R		
JM	ENRGY 3® CGF 1.8"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.80	10.30	R		
JM	ENRGY 3® CGF 1.9"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.90	10.80	R		
JM	ENRGY 3® CGF 2"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.00	11.40	R		
JM	ENRGY 3® CGF 2.1"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.10	12.00	R		

		1	BHGS - THERMAL II	NSULATION DIRECTOR						
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JM	ENRGY 3® CGF 2.2"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.20	12.60	R
JM	ENRGY 38 CGF 2.25"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.25	12.90	R
JM	ENRGY 3® CGF 2.3"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.30	13.20	R
JM	ENRGY 3® CGF 2.4"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.40	13.80	R
JM	ENRGY 3® CGF 2.5"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.50	14.40	R
JM	ENRGY 3® CGF 2.6"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.60	15.00	R
JM	ENRGY 3® CGF 2.7"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.70	15.60	R
JM JM	ENRGY 3® CGF 2.75" ENRGY 3® CGF 2.8"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	2.75 2.80	15.90 16.20	R R
JM	ENRGY 3® CGF 2.8 ENRGY 3® CGF 2.9"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.80	16.80	R
JM	ENRGY 3® CGF 3"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.00	17.40	R
JM	ENRGY 3® CGF 3.1"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.10	18.00	R
JM	ENRGY 3® CGF 3.2"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.20	18.60	R
JM	ENRGY 3® CGF 3.25"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.25	18.90	R
JM	ENRGY 3® CGF 3.3"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.30	19.20	R
JM	ENRGY 3® CGF 3.4"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.40	19.90	R
JM	ENRGY 3® CGF 3.5"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.50	20.50	R
JM JM	ENRGY 3® CGF 3.6" ENRGY 3® CGF 3.7"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	3.60	21.10	R R
JM	ENRGY 3® CGF 3.7 ENRGY 3® CGF 3.75"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.75	21.70	R
JM	ENRGY 3® CGF 3.8"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.80	22.00	R
JM	ENRGY 3® CGF 3.9"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.90	23.00	R
JM	ENRGY 3® CGF 4"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.00	23.60	R
JM	ENRGY 3® CGF 4.1"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.10	24.20	R
JM	ENRGY 3® CGF 4.2"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.20	24.90	R
JM	ENRGY 3® CGF 4.3"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.30	25.50	R
JM	ENRGY 3® CGF 4.4"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.40	26.10	R
JM JM	ENRGY 3® CGF 4.5" Tapered ENRGY 3® CGF 1A	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	4.50 0.5**	26.80 3.60	R R
JM	Tapered ENRGY 3® CGF 18	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.75**	5.00	R
JM	Tapered ENRGY 3® CGF 01	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	6.40	R
JM	Tapered ENRGY 3® CGF 02	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.25**	7.80	R
JM	Tapered ENRGY 3® CGF 03	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.5**	9.30	R
JM	Tapered ENRGY 3® CGF 04	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.75**	10.70	R
JM	Tapered ENRGY 3® CGF 05	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	12.10	R
JM	Tapered ENRGY 3® CGF 06	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.25**	13.60	R
JM	Tapered ENRGY 3® CGF AA	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	4.30	R
JM JM	Tapered ENRGY 3® CGF A Tapered ENRGY 3® CGF B	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	1** 1.5**	7.10	R R
JM	Tapered ENRGY 3® CGF B	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	12.90	R
JM	Tapered ENRGY 3® CGF D	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.5**	15.90	R
JM	Tapered ENRGY 3® CGF E	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3**	18.90	R
JM	Tapered ENRGY 3® CGF F	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.5**	22.10	R
JM	Tapered ENRGY 3® CGF G	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	8.60	R
JM	Tapered ENRGY 3® CGF H	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	14.40	R
JM	Tapered ENRGY 3® CGF J	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	7.80	R
JM	Tapered ENRGY 3® CGF K	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.75**	12.10	R
JM	Tapered ENRGY 3® CGF L	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.5**	16.60	R
JM JM	Tapered ENRGY 3® CGF M Tapered ENRGY 3® CGF I	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	3.25** 3**	21.20 20.50	R R
JM	Tapered ENRGY 3® CGF 1	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	5.70	R
JM	Tapered ENRGY 3® CGF X	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.5**	11.40	R
JM	Tapered ENRGY 3® CGF Z	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.5**	17.40	R
JM	Tapered ENRGY 3® CGF ZZ	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.5**	23.60	R
JM	Tapered ENRGY 3® CGF SS	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	7.10	R
JM	Tapered ENRGY 3® CGF TT	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	15.90	R
JM	Tapered ENRGY 3® CGF Q	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	8.60	R
JM	Tapered ENRGY 3® CGF QQ	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.5**	20.50	R
JM	Tapered ENRGY 3® CGF R	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.75**	5.70	R
JM	Tapered ENRGY 3® CGF S	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.25**	8.60	R

			BHGS - THERMAL II	NSULATION DIRECTOR			-			
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	Tapered ENRGY 3® CGF T	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.75**	11.40	R
JM	Tapered ENRGY 3® CGF U	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.25**	14.40	R
JM	Tapered ENRGY 3® CGF V	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.75**	17.40	R
JM	Tapered ENRGY 3® CGF W	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.25**	20.50	R
JM	Tapered ENRGY 3® CGF XX	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	11.40	R
JM	Tapered ENRGY 3® CGF KK	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.25**	9.30	R
JM JM	Tapered ENRGY 3® CGF JJ	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	0.5** 4**	5.00 25.30	R R
JM	Tapered ENRGY 3® CGF FF Tapered ENRGY 3® CGF LL	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	13.60	R
JM	Tapered ENRGY 3® CGF MM	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.75**	18.20	R
JM	ENRGY 3® CGF 0.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.50	3.00	R
JM	ENRGY 3® CGF 0.75" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.75	4.50	R
JM	ENRGY 3® CGF 1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.00	5.70	R
JM	ENRGY 3® CGF 1.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.10	6.30	R
JM	ENRGY 3® CGF 1.2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.20	6.80	R
JM	ENRGY 3® CGF 1.25" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.25	7.10	R
JM	ENRGY 3® CGF 1.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.30	7.40	R
JM JM	ENRGY 3® CGF 1.4" 25PSI ENRGY 3® CGF 1.5" 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	1.40	8.00 8.60	R R
JM	ENRGY 3® CGF 1.5 25PSI ENRGY 3® CGF 1.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.60	9.10	R
JM	ENRGY 38 CGF 1.7" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.70	9.70	R
JM	ENRGY 3® CGF 1.75" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.75	10.00	R
JM	ENRGY 3® CGF 1.8" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.80	10.30	R
JM	ENRGY 3® CGF 1.9" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.90	10.80	R
JM	ENRGY 38 CGF 2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.00	11.40	R
JM	ENRGY 3® CGF 2.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.10	12.00	R
JM	ENRGY 3® CGF 2.2" 25PSI ENRGY 3® CGF 2.25" 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO	2.20	12.60	R
JM JM	ENRGY 3® CGF 2.25 25PSI ENRGY 3® CGF 2.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO NO	2.25	12.90 13.20	R R
JM	ENRGY 3® CGF 2.3 25PSI ENRGY 3® CGF 2.4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.40	13.80	R
JM	ENRGY 3® CGF 2.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.50	14.40	R
JM	ENRGY 3® CGF 2.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.60	15.00	R
JM	ENRGY 3® CGF 2.7" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.70	15.60	R
JM	ENRGY 3® CGF 2.75" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.75	15.90	R
JM	ENRGY 3® CGF 2.8" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.80	16.20	R
JM	ENRGY 3® CGF 2.9" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.90	16.80	R
JM	ENRGY 3® CGF 3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.00	17.40	R
JM JM	ENRGY 3® CGF 3.1" 25PSI ENRGY 3® CGF 3.2" 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	3.10 3.20	18.00 18.60	R R
JM	ENRGY 3® CGF 3.2 25PSI ENRGY 3® CGF 3.25" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.20	18.90	R
JM	ENRGY 38 CGF 3.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.30	19.20	R
JM	ENRGY 3® CGF 3.4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.40	19.90	R
JM	ENRGY 3® CGF 3.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.50	20.50	R
JM	ENRGY 3® CGF 3.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.60	21.10	R
JM	ENRGY 3® CGF 3.7" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.70	21.70	R
JM	ENRGY 3® CGF 3.75" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.75	22.00	R
JM	ENRGY 3® CGF 3.8" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.80	22.30	R
JM JM	ENRGY 3® CGF 3.9" 25PSI ENRGY 3® CGF 4" 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	3.90	23.00 23.60	R R
JM	ENRGY 3® CGF 4-25PSI ENRGY 3® CGF 4.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO NO	NO	4.00	23.60	R
JM	ENRGY 3® CGF 4.1 25FSI ENRGY 3® CGF 4.2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.10	24.20	R
JM	ENRGY 3® CGF 4.2 25PSI ENRGY 3® CGF 4.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.30	25.50	R
JM	ENRGY 3® CGF 4.4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.40	26.10	R
JM	ENRGY 3® CGF 4.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.50	26.80	R
JM	Tapered ENRGY 3® CGF 1A 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	3.60	R
JM	Tapered ENRGY 3® CGF 1B 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.75**	5.00	R
JM	Tapered ENRGY 3® CGF 01 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	6.40	R
JM	Tapered ENRGY 3® CGF 02 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.25**	7.80	R
JM JM	Tapered ENRGY 3® CGF 03 25PSI		FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	1.5** 1.75**	9.30 10.70	R R
JM	Tapered ENRGY 3® CGF 04 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	CUATED FIBERGLASS	KUUF DECK	NU	NÜ	1.75**	10.70	К

			BHGS - THERMAL II BOARD INSULATION MANU	NSULATION DIRECTOR						
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	Tapered ENRGY 3® CGF 05 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	12.10	R
JM	Tapered ENRGY 3® CGF 06 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.25**	13.60	R
JM	Tapered ENRGY 3® CGF AA 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	4.30	R
JM	Tapered ENRGY 3® CGF A 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	7.10	R
JM	Tapered ENRGY 3® CGF B 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.5**	10.00	R
JM	Tapered ENRGY 3® CGF C 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	12.90	R
JM JM	Tapered ENRGY 3® CGF D 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	2.5** 3**	15.90 18.90	R R
JM	Tapered ENRGY 3® CGF E 25PSI Tapered ENRGY 3® CGF F 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.5**	22.10	R
JM	Tapered ENRGY 3® CGF G 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	8.60	R
JM	Tapered ENRGY 3® CGF H 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	14.40	R
JM	Tapered ENRGY 3® CGF J 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	7.80	R
JM	Tapered ENRGY 3® CGF K 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.75**	12.10	R
JM	Tapered ENRGY 3® CGF L 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.5**	16.60	R
JM	Tapered ENRGY 3® CGF M 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.25**	21.20	R
JM	Tapered ENRGY 3® CGF I 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3**	20.50	R
JM	Tapered ENRGY 3® CGF X 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	5.70	R
JM JM	Tapered ENRGY 3® CGF Y 25PSI Tapered ENRGY 3® CGF Z 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	1.5** 2.5**	<u>11.40</u> 17.40	R R
JM	Tapered ENRGY 3® CGF Z 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.5**	23.60	R
JM	Tapered ENRGY 3® CGF SS 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	7.10	R
JM	Tapered ENRGY 3® CGF TT 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	15.90	R
JM	Tapered ENRGY 3® CGF Q 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	8.60	R
JM	Tapered ENRGY 3® CGF QQ 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.5**	20.50	R
JM	Tapered ENRGY 3® CGF R 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.75**	5.70	R
JM	Tapered ENRGY 3® CGF S 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.25**	8.60	R
JM	Tapered ENRGY 3® CGF T 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.75**	11.40	R
JM	Tapered ENRGY 3® CGF U 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.25**	14.40	R
JM JM	Tapered ENRGY 3® CGF V 25PSI Tapered ENRGY 3® CGF W 25PSI	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	COATED FIBERGLASS COATED FIBERGLASS	ROOF DECK ROOF DECK	NO NO	NO NO	2.75** 3.25**	17.40 20.50	R R
JM	Tapered ENRGY 3® CGF W 25-SI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	<u> </u>	11.40	R
JM	Tapered ENRGY 3® CGF KK 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.25**	9.30	R
JM	Tapered ENRGY 3® CGF JJ 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	5.00	R
JM	Tapered ENRGY 3® CGF FF 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4**	25.30	R
JM	Tapered ENRGY 3® CGF LL 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2**	13.60	R
JM	Tapered ENRGY 3® CGF MM 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.75**	18.20	R
JM	ENRGY 3.E® 0.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	3.00	R
JM	ENRGY 3.E® 0.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	4.50	R
JM JM	ENRGY 3.E® 1" ENRGY 3.E® 1.1"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1.00	5.70 6.30	R R
JM	ENRGY 3.E® 1.1	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.10	6.80	R
JM	ENRGY 3.E® 1.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25	7.10	R
JM	ENRGY 3.E® 1.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.30	7.40	R
JM	ENRGY 3.E® 1.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.40	8.00	R
JM	ENRGY 3.E® 1.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
JM	ENRGY 3.E® 1.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.60	9.10	R
JM	ENRGY 3.E® 1.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.70	9.70	R
JM	ENRGY 3.E® 1.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R
JM	ENRGY 3.E® 1.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.80	10.30	R
JM	ENRGY 3.E® 1.9"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK	NO NO	NO NO	1.90	10.80	R R
JM JM	ENRGY 3.E® 2" ENRGY 3.E® 2.1"	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	2.00	<u>11.40</u> 12.00	R
JM	ENRGY 3.E® 2.1	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R
JM	ENRGY 3.E® 2.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25	12.00	R
JM	ENRGY 3.E® 2.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R
JM	ENRGY 3.E® 2.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.40	13.80	R
JM	ENRGY 3.E® 2.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
JM	ENRGY 3.E® 2.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R
JM	ENRGY 3.E® 2.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R
JM	ENRGY 3.E® 2.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75	15.90	R

			BHGS - THERMAL INS BOARD INSULATION MANUFA							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	ENRGY 3.E® 2.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.80	16.20	R
JM	ENRGY 3.E® 2.9"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.90	16.80	R
JM	ENRGY 3.E® 3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
JM	ENRGY 3.E® 3.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.10	18.00	R
JM	ENRGY 3.E® 3.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.20	18.60	R
JM JM	ENRGY 3.E® 3.25" ENRGY 3.E® 3.3"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	3.25 3.30	18.90 19.20	R R
JM	ENRGY 3.E® 3.3 ENRGY 3.E® 3.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R
JM	ENRGY 3.E® 3.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
JM	ENRGY 3.E® 3.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.60	21.10	R
JM	ENRGY 3.E® 3.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.70	21.70	R
JM	ENRGY 3.E® 3.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.75	22.00	R
JM	ENRGY 3.E® 3.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.80	22.30	R
JM	ENRGY 3.E® 3.9"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.90	23.00	R
JM	ENRGY 3.E® 4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
JM	ENRGY 3.E® 4.1"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK	NO	NO	4.10	24.20	R
JM JM	ENRGY 3.E® 4.2" ENRGY 3.E® 4.3"	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	4.20 4.30	24.90 25.50	R R
JM	ENRGY 3.E® 4.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.40	26.10	R
JM	ENRGY 3.E® 4.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.50	26.80	R
JM	Tapered ENRGY 3.E® 1A	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	3.60	R
JM	Tapered ENRGY 3.E® 1B	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75**	5.00	R
JM	Tapered ENRGY 3.E® 01	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	6.40	R
JM	Tapered ENRGY 3.E® 02	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	7.80	R
JM	Tapered ENRGY 3.E® 03	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	9.30	R
JM	Tapered ENRGY 3.E® 04	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	10.70	R
JM JM	Tapered ENRGY 3.E® 05 Tapered ENRGY 3.E® 06	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	2** 2.25**	12.10 13.60	R R
JM	Tapered ENRGY 3.E® AA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	4.30	R
JM	Tapered ENRGY 3.E® A	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	7.10	R
JM	Tapered ENRGY 3.E® B	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	10.00	R
JM	Tapered ENRGY 3.E® C	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.90	R
JM	Tapered ENRGY 3.E® D	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	15.90	R
JM	Tapered ENRGY 3.E® E	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3**	18.90	R
JM	Tapered ENRGY 3.E® F	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.5**	22.10	R
JM JM	Tapered ENRGY 3.E® G	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1** 2**	8.60 14.40	R
JM	Tapered ENRGY 3.E® H Tapered ENRGY 3.E® J	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2***	7.80	R R
JM	Tapered ENRGY 3.E® K	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	12.10	R
JM	Tapered ENRGY 3.E® L	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	16.60	R
JM	Tapered ENRGY 3.E® M	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25**	21.20	R
JM	Tapered ENRGY 3.E® 1	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3**	20.50	R
JM	Tapered ENRGY 3.E® X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	5.70	R
JM	Tapered ENRGY 3.E® Y	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	11.40	R
JM	Tapered ENRGY 3.E® Z	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	17.40	R
JM JM	Tapered ENRGY 3.E® ZZ	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	3.5** 0.5**	23.60 7.10	R R
JM	Tapered ENRGY 3.E® SS Tapered ENRGY 3.E® TT	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO NO	NO	0.5** 2**	15.90	R
JM	Tapered ENRGY 3.E® Q	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	8.60	R
JM	Tapered ENRGY 3.E® QQ	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	20.50	R
JM	Tapered ENRGY 3.E® R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75**	5.70	R
JM	Tapered ENRGY 3.E® S	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	8.60	R
JM	Tapered ENRGY 3.E® T	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	11.40	R
JM	Tapered ENRGY 3.E® U	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25**	14.40	R
JM	Tapered ENRGY 3.E® V	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75**	17.40	R
JM	Tapered ENRGY 3.E® W	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25** 1**	20.50	R
JM JM	Tapered ENRGY 3.E® XX Tapered ENRGY 3.E® KK	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1.25**	<u>11.40</u> 9.30	R R
JM	Tapered ENRGY 3.E® KK	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	5.00	R
JM	Tapered ENRGY 3.E® FF	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4**	25.30	R

		E	BHGS - THERMAL INS BOARD INSULATION MANUF/							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	Tapered ENRGY 3.E® LL	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	13.60	R
JM	Tapered ENRGY 3.E® MM	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75**	18.20	R
JM	ENRGY 3.E® 25PSI 0.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	3.00	R
JM	ENRGY 3.E® 25PSI 0.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	4.50	R
JM	ENRGY 3.E® 25PSI 1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R
JM	ENRGY 3.E® 25PSI 1.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.10	6.30	R
JM	ENRGY 3.E® 25PSI 1.2"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK	NO NO	NO	1.20	6.80	R
JM JM	ENRGY 3.E® 25PSI 1.25" ENRGY 3.E® 25PSI 1.3"	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	ROOF DECK ROOF DECK	NO	NO NO	1.25 1.30	7.10	R R
JM	ENRGY 3.E® 25PSI 1.3 ENRGY 3.E® 25PSI 1.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.40	8.00	R
JM	ENRGY 3.E® 25PSI 1.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
JM	ENRGY 3.E® 25PSI 1.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.60	9.10	R
JM	ENRGY 3.E® 25PSI 1.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.70	9.70	R
JM	ENRGY 3.E® 25PSI 1.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R
JM	ENRGY 3.E® 25PSI 1.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.80	10.30	R
JM	ENRGY 3.E® 25PSI 1.9"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.90	10.80	R
JM	ENRGY 3.E® 25PSI 2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
JM JM	ENRGY 3.E® 25PSI 2.1" ENRGY 3.E® 25PSI 2.2"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	2.10	12.00 12.60	R R
JM	ENRGY 3.E® 25PSI 2.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.20	12.60	R
JM	ENRGY 3.E® 25PSI 2.25	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R
JM	ENRGY 3.E® 25PSI 2.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.40	13.80	R
JM	ENRGY 3.E® 25PSI 2.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
JM	ENRGY 3.E® 25PSI 2.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R
JM	ENRGY 3.E® 25PSI 2.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R
JM	ENRGY 3.E® 25PSI 2.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75	15.90	R
JM	ENRGY 3.E® 25PSI 2.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.80	16.20	R
JM JM	ENRGY 3.E® 25PSI 2.9"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK	NO NO	NO	2.90	16.80 17.40	R
JM	ENRGY 3.E® 25PSI 3" ENRGY 3.E® 25PSI 3.1"	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	ROOF DECK ROOF DECK	NO	NO NO	3.00	17.40	R R
JM	ENRGY 3.E® 25PSI 3.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.20	18.60	R
JM	ENRGY 3.E® 25PSI 3.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25	18.90	R
JM	ENRGY 3.E® 25PSI 3.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R
JM	ENRGY 3.E® 25PSI 3.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.40	19.90	R
JM	ENRGY 3.E® 25PSI 3.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
JM	ENRGY 3.E® 25PSI 3.6"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.60	21.10	R
JM	ENRGY 3.E® 25PSI 3.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.70	21.70	R
JM	ENRGY 3.E® 25PSI 3.75"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.75	22.00 22.30	R
JM JM	ENRGY 3.E® 25PSI 3.8" ENRGY 3.E® 25PSI 3.9"	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	3.80 3.90	22.30	R R
JM	ENRGY 3.E® 25PSI 4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
JM	ENRGY 3.E® 25PSI 4.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.00	R
JM	ENRGY 3.E® 25PSI 4.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.20	24.90	R
JM	ENRGY 3.E® 25PSI 4.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.30	25.50	R
JM	ENRGY 3.E® 25PSI 4.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.40	26.10	R
JM	ENRGY 3.E® 25PSI 4.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.50	26.80	R
JM	Tapered ENRGY 3.E® 25PSI 1A	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	3.60	R
JM	Tapered ENRGY 3.E® 25PSI 1B	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75**	5.00	R
JM	Tapered ENRGY 3.E® 25PSI 01	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	6.40	R
JM	Tapered ENRGY 3.E® 25PSI 02	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK	NO	NO NO	1.25**	7.80	R
JM JM	Tapered ENRGY 3.E® 25PSI 03 Tapered ENRGY 3.E® 25PSI 04	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	<u>1.5**</u> 1.75**	9.30 10.70	R
JM	Tapered ENRGY 3.E® 25PSI 04	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.10	R
JM	Tapered ENRGY 3.E® 25PSI 05	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25**	13.60	R
JM	Tapered ENRGY 3.E® 25PSI AA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	4.30	R
JM	Tapered ENRGY 3.E® 25PSI A	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	7.10	R
JM	Tapered ENRGY 3.E® 25PSI B	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	10.00	R
JM	Tapered ENRGY 3.E® 25PSI C	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.90	R
JM	Tapered ENRGY 3.E® 25PSI D	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	15.90	R
JM	Tapered ENRGY 3.E® 25PSI E	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3**	18.90	R

			BHGS - THERMAL IN BOARD INSULATION MANU	SULATION DIRECTOR						
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
JM	Tapered ENRGY 3.E® 25PSI F	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.5**	22.10	R
JM	Tapered ENRGY 3.E® 25PSI G	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	8.60	R
JM	Tapered ENRGY 3.E® 25PSI H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	14.40	R
JM JM	Tapered ENRGY 3.E® 25PSI J Tapered ENRGY 3.E® 25PSI K	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	1** 1.75**	7.80	R R
JM	Tapered ENRGY 3.E® 25PSI K Tapered ENRGY 3.E® 25PSI L	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	12.10	R
JM	Tapered ENRGY 3.E® 25PSI M	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25**	21.20	R
JM	Tapered ENRGY 3.E® 25PSI 1	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3**	20.50	R
JM	Tapered ENRGY 3.E® 25PSI X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	5.70	R
JM	Tapered ENRGY 3.E® 25PSI Y	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	11.40	R
JM	Tapered ENRGY 3.E® 25PSI Z	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	17.40	R
JM	Tapered ENRGY 3.E® 25PSI ZZ	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.5**	23.60	R
JM	Tapered ENRGY 3.E® 25PSI SS	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	7.10	R
JM JM	Tapered ENRGY 3.E® 25PSI TT Tapered ENRGY 3.E® 25PSI Q	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	2** 0.5**	15.90 8.60	R R
JM	Tapered ENRGY 3.E® 25PSI QQ	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	20.50	R
JM	Tapered ENRGY 3.E® 25PSI R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75**	5.70	R
JM	Tapered ENRGY 3.E® 25PSI S	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	8.60	R
JM	Tapered ENRGY 3.E® 25PSI T	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	11.40	R
JM	Tapered ENRGY 3.E® 25PSI U	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25**	14.40	R
JM	Tapered ENRGY 3.E® 25PSI V	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75**	17.40	R
JM	Tapered ENRGY 3.E® 25PSI W	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25**	20.50	R
JM	Tapered ENRGY 3.E® 25PSI XX	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO NO	NO	1** 1.25**	11.40 9.30	R
4	Tapered ENRGY 3.E® 25PSI KK	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK		NO	0.5**		R
JM JM	Tapered ENRGY 3.E® 25PSI JJ Tapered ENRGY 3.E® 25PSI FF	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	0.5** 4**	5.00 25.30	R R
JM	Tapered ENRGY 3.E® 25PSI LL	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	13.60	R
JM	Tapered ENRGY 3.E® 25PSI MM	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75**	18.20	R
JM	INVINSA	ISOCYANURATE	COMPOSITE	COATED FIBERGLASS	ROOF DECK	NO	NO	0.25	1.20	R
JM	INVINSA FR	ISOCYANURATE	COMPOSITE	COATED FIBERGLASS	ROOF DECK	NO	NO	0.25	1.20	R
JM	NAILBOARD 1.5"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	1.50	6.80	R
JM	NAILBOARD 1.75"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	1.75	8.38	R
JM	NAILBOARD 2"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.00	9.97	R
JM JM	NAILBOARD 2.25" NAILBOARD 2.5"	ISOCYANURATE ISOCYANURATE	COMPOSITE COMPOSITE	STRAND BD STRAND BD	ROOF DECK ROOF DECK	NO NO	NO NO	2.25	11.55 13.14	R R
JM	NAILBOARD 2.5 NAILBOARD 2.75"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.75	14.72	R
JM	NAILBOARD 2.73	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.00	16.31	R
JM	NAILBOARD 3.25"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.25	17.89	R
JM	NAILBOARD 3.5"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.50	19.48	R
JM	NAILBOARD 3.75"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.75	21.06	R
JM	NAILBOARD 4"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.00	22.65	R
JM	NAILBOARD 4.25"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.25	24.23	R
JM	NAILBOARD 4.5"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.50	25.82	R
JM JM	VENTED NAILBOARD 2.5" VENTED NAILBOARD 2.75"	ISOCYANURATE ISOCYANURATE	COMPOSITE COMPOSITE	STRAND BD STRAND BD	ROOF DECK ROOF DECK	NO NO	NO NO	2.50 2.75	6.00 7.50	R R
JM	VENTED NAILBOARD 2.75 VENTED NAILBOARD 3"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.00	9.00	R
JM	VENTED NAILBOARD 3	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.25	10.50	R
JM	VENTED NAILBOARD 3.25	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.50	12.10	R
JM	VENTED NAILBOARD 3.75"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.75	13.70	R
JM	VENTED NAILBOARD 4"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.00	15.30	R
JM	VENTED NAILBOARD 4.25"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.25	16.90	R
JM	VENTED NAILBOARD 4.5"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.50	18.50	R
JM	VENTED NAILBOARD 4.75"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.75	20.10	R
JM	VENTED NAILBOARD 5"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	5.00	21.70	R
JM JM	VENTED NAILBOARD 5.25" VENTED NAILBOARD 5.5"	ISOCYANURATE ISOCYANURATE	COMPOSITE COMPOSITE	STRAND BD STRAND BD	ROOF DECK ROOF DECK	NO NO	NO NO	5.25 5.50	23.40	R R
JM JM	VENTED NAILBOARD 5.5" Protector™ HD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.50	25.00	R
JM	Protector™ HD FR	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.50	2.50	R
JM	R-Panel™ 1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R
JM	R-Panel™ 1.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R

		E	BHGS - THERMAL IN BOARD INSULATION MANU	SULATION DIRECTOR						
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JM	R-Panel™ 1.7"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.70	9.70	R
JM	R-Panel™ 2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
JM	R-Panel™ 2.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R
JM	R-Panel™ 2.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
JM	R-Panel™ 3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
JM	R-Panel™ 3.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R
JM	R-Panel™ 4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
JM	SeparatoR™ 0.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	2.90	R
JM	SeparatoR™ CGF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.50	2.90	R
JM	SeparatoR™ FR	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.50	2.90	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MTL	METAL FOIL	EQUIP/DUCT	NO	YES	1.00	6.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MTL	METAL FOIL	EQUIP/DUCT	NO	YES	1.50	9.30	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MTL	METAL FOIL	EQUIP/DUCT	NO	YES	2.00	13.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MTL	METAL FOIL	EQUIP/DUCT	NO	YES	2.50	16.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MTL	METAL FOIL	EQUIP/DUCT	NO	YES	3.00	19.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MTL	METAL FOIL	EQUIP/DUCT	NO	YES	3.50	22.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MTL	METAL FOIL	EQUIP/DUCT	NO	YES	4.00	26.00	R

**Minimum Thickness

* DESCRIPTION OF BRAND CODES: JM = JOHNS MANVILLE

	Kingspar	n Insulation LLC - T 1538				Updated 08/24/202				
ISO	ISO-C1/2.0	ISOCYANURATE	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	11.30	R
ISO	ISO-C1/2.0	ISOCYANURATE	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	17.00	R

* DESCRIPTION OF BRAND CODES: ISO= ISO-C1

	Poly	glass USA - T 1529				Updated 06/03/201	9			
PLT	POLYTHERM	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	1.00	5.70	R
PLT	POLYTHERM	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	1.50	8.60	R
PLT	POLYTHERM	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	2.00	11.40	R
PLT	POLYTHERM	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	2.50	14.40	R
PLT	POLYTHERM	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	3.00	17.40	R
PLT	POLYTHERM	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	3.50	20.50	R
PLT	POLYTHERM	ISOCYANURATE	FACED SINGLE MATERIAL	GLASS FIBER FELT	ROOF DECK	NO	NO	4.00	23.60	R
PTG	POLYTHERM G	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.70	R
PTG	POLYTHERM G	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.50	8.60	R
PTG	POLYTHERM G	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.00	11.40	R
PTG	POLYTHERM G	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.50	14.40	R
PTG	POLYTHERM G	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	3.00	17.40	R
PTG	POLYTHERM G	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	3.50	20.50	R
PTG	POLYTHERM G	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	4.00	23.60	R
PTH	POLYTHERM-H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.60	R
PTH	POLYTHERM-H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
PTH	POLYTHERM-H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
PTH	POLYTHERM-H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
PTH	POLYTHERM-H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
PTH	POLYTHERM-H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
PTH	POLYTHERM-H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R

* DESCRIPTION OF BRAND CODES: PLT = POLYTHERM PTG = POLYTHERM G PTH = POLYTHERM-H

			BHGS - THERMAL INS BOARD INSULATION MANUF							
Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
	Pmax A Business Ur	nit of Sika Corporation - T 152	12			Updated 10/14/20	24			
AB	ECOMAXCI FR AB	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	2.00	13.10	R
AB	ECOMAXCI FR AB	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	2.50	16.70	R
AB	ECOMAXCI FR AB	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	3.00	20.30	R
AB	ECOMAXCI FR AB	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	3.50	23.90	R
AB	ECOMAXCI FR AB	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.00	27.40	R
AB	ECOMAXCI FR AB	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.50	31.00	R
CCG	CONCRETE CORE CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	0.50	3.00	R
CCG	CONCRETE CORE CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	1.00	6.00	R
CCG	CONCRETE CORE CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	1.50	9.00	R
CCG	CONCRETE CORE_CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	2.00	12.10	R
CCG	CONCRETE CORE_CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	2.50	15.30	R
CCG	CONCRETE CORE_CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	3.00	18.50	R
CCG	CONCRETE CORE_CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	3.50	21.70	R
CCG	CONCRETE CORE_CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	4.00	25.00	R
CCG	CONCRETE CORE_CG	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	4.50	28.30	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	0.50	3.00	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	0.63	3.80	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	0.75	4.50	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	1.00	6.00	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	1.50	9.00	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	2.00	12.10	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	2.50	15.30	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	3.00	18.50	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	3.50	21.70	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	4.00	25.00	R
DS	DURASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	FIB GLS	CLG WALL FLR	NO	NO	4.00	25.00	R
ECI	ECOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL FLR	NO	YES	2.00	28.30	R
	ECOMAXCI				WALL	NO	YES	2.00	16.70	
ECI		ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO			20.30	R
ECI	ECOMAXCI ECOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	WALL	NO	YES	3.00	20.30	R
ECI		ISOCYANURATE	FACED SINGLE MATERIAL				YES			
ECI	ECOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.00	27.40	R
ECI	ECOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.50	31.00	R
ECP	ECOMAXCI PLY***	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.38	5.20	R
ECP	ECOMAXCI PLY***	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.63	6.70	R
ECP ECP	ECOMAXCI PLY*** ECOMAXCI PLY***	ISOCYANURATE ISOCYANURATE	COMPOSITE COMPOSITE	OTHER OTHER	WALL	NO NO	YES YES	2.13 3.13	9.80 16.00	R R
-						-				
ECP	ECOMAXCI PLY*** ECOMAXCI PLY***	ISOCYANURATE	COMPOSITE	OTHER OTHER	WALL	NO NO	YES	3.63 4.13	19.20 22.50	R
ECP	ECOMAXCI PLY***	ISOCYANURATE	COMPOSITE		WALL	NO NO	YES	4.13	22.50	R
ECP ECP	ECOMAXCI PLY***	ISOCYANURATE ISOCYANURATE	COMPOSITE COMPOSITE	OTHER OTHER	WALL	NO NO	YES YES	4.63	25.70	R R
ECP	ECOMAXCI PLY****	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO NO	YES	1.50	29.00	R
	ECOMAXCI PLY****		COMPOSITE	OTHER	WALL	NO NO	YES		5.40 6.90	
ECP		ISOCYANURATE				-		1.75		R
ECP		ISOCYANURATE	COMPOSITE	OTHER OTHER	WALL	NO NO	YES	2.15	9.30 16.20	R
ECP		ISOCYANURATE	COMPOSITE		WALL		YES		16.20	
ECP	ECOMAXCI PLY****	ISOCYANURATE	COMPOSITE	OTHER		NO	YES	3.75		R
ECP ECP	ECOMAXCI PLY**** ECOMAXCI PLY****	ISOCYANURATE ISOCYANURATE	COMPOSITE COMPOSITE	OTHER OTHER	WALL	NO NO	YES YES	4.25 4.75	22.70 25.90	R
-	ECOMAXCI PLY****		COMPOSITE		WALL	NO	YES	4.75	25.90	R
ECP		ISOCYANURATE		OTHER	WALL			5.25	29.20	
EVO	EVOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL		NO	YES			R
EVO	EVOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	2.50	16.70	R
EVO	EVOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	3.00	20.30	R
EVO	EVOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	3.50	23.90	R
EVO EVO	EVOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.00	27.40	R
	EVOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.50	31.00	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R

Code Product ID Name Type Facing Primary Use Application? Class 1/B Inc.es Tenares C 1/B FR ECOMMACTR DOVYAUURATE FACED SHGLE MATERIAL META FOD. CCI MALL E.R. VES VES 10.0 0.0 9				BHGS - THERMAL INS							
FR ECOMMOD R SOCYMANDRIE FACED SINGLE MATERIAL METAL FOLL GLG WALLER VES VES 1.00 6.00 R0 FR ECOMMOD R SOCYMANDRIE FACED SINGLE MATERIAL METAL FOLL GLG WALLER VES VES 1.02 F.02 1.02 R0		Product ID	Material	Туре	Facing	Primary Use	Exposed	Retarder?	Product Thickness	Thermal Perfor-	R, K or C Value
FR ECOMACI FR BOCYMURATE FACE SNALE MATERIAL METAL FOL COL WALL FLR YE3 128 TB0 R FR ECOMACI FR BOCYMURATE FACE SNALE MATERIAL METAL FOL COL WALL FLR YE3 YE3 <td></td>											
FR ECOMANCI FR SOCYMURATE FACED SNGLE MATERIAL METAL FOL CL WALL FLR VES VES 1.75 11.40 R FR ECOMANCI FR SOCYMURATE FACED SNGLE MATERIAL METAL FOL CL WALL FLR VES VES 2.00 15.10 R FR ECOMANCI FR SOCYMURATE FACED SNGLE MATERIAL METAL FOL CG WALL FLR VES 2.00 15.0 R FR ECOMANCI FR SOCYMURATE FACED SNGLE MATERIAL METAL FOL CG WALL FLR VES 2.00 2.03 2.0 18.0 R 16.0 WES 2.00 2.00 R 17.0 CL WALL FLR VES 2.00 2.0 2.0 R 11.0 R 12.0 17.0 10.0 <td></td> <td>ECOMAXCI FR</td> <td></td> <td></td> <td>METAL FOIL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>R</td>		ECOMAXCI FR			METAL FOIL						R
PR ECOMAKIE PR BOOTMANDATE PACED SNACE MATERIAL METAL FOIL C.G.WALL FLR VES VES 2.00 13.10 R FR ECOMAKIC PR BOOTMANDATE PACED SNACE MATERIAL METAL FOIL C.G.WALL FLR VES VES 2.00 13.00 R FR ECOMAKIC PR BOOTMANDATE PACED SNACE MATERIAL METAL FOIL C.G.WALL FLR VES 2.00 13.00 R FR ECOMAKIC PR BOOTMANDATE PACED SNACE MATERIAL METAL FOIL C.G.WALL FLR VES 3.30 2.81.00 R FR ECOMAKIC PR BOOTMANDATE FACED SNACE MATERIAL METAL FOIL C.G.WALL FLR VES 3.30 2.83.00 R FR ECOMAKIC PR BOOTMANDATE FACED SNACE MATERIAL METAL FOIL C.G.WALL FLR VES 3.31 8.30 R FRP ECOMAKIC FR PL*** BOOTMANDATE COMPORTE OTHER WALL NO YES 3.31 7.60 R FPP ECOMAKIC FR PL***	FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.60	R
FR ECOMAXCIPR SOCYANIRATE FACED SNGLE MATERAL METAL FOIL CLG WALL PLR YES 2.28 H.490 R FR ECOMAXCIPR SOCYANIRATE FACED SNGLE MATERAL METAL FOIL CLG WALL PLR YES 2.30 R.70 R FR ECOMAXCIPR SOCYANIRATE FACED SNGLE MATERAL METAL FOIL CLG WALL PLR YES 2.30 R.30 R R CLG WALL PLR YES 3.00 R R R CLG WALL PLR YES 3.00 R R R CLG WALL PLR YES 3.00 R R R CLG WALL PLR YES YES 3.00 R R R CLG WALL PLR YES 3.00 R											R
PR ECOMAXOFR ISOCYMMENTE PACED SNOLE MATERNAL METAL FOL CLG WALL PLR YES YES 2.00 15.70 R FR ECOMAXOFR SICXYMMENTE FACED SNOLE MATERNAL METAL FOL CLG WALL FLR YES YES 3.20 2.20 R FR ECOMAXOFR SICXYMMENTE FACED SNOLE MATERNAL METAL FOL CLG WALL FLR YES 3.25 7.20 7.80 <td></td> <td>R</td>											R
FR ECOMAXOFR BOCYANIRATE FACED SNGLE MATERNAL METAL FOIL CLI G WALL F.R. VFS VFS 1.00 2.030 R FR ECOMAXOFR BOCYANIRATE FACED SNGLE MATERNAL METAL FOIL CLG WALL F.R. VFS VFS 3.20 2.10 R FR ECOMAXOFR BOCYANIRATE FACED SNGLE MATERNAL METAL FOIL CLG WALL F.R. VFS VFS 3.00 22.00 R FR ECOMAXOFR BOCYANIRATE FACED SNGLE MATERNAL METAL FOIL CLG WALL F.R. VFS VFS 4.00 27.00 F FRP ECOMAXOFR R. BOCYANIRATE CCOMPORTE OTHER WALL NO VFS 4.50 3.100 R FRP ECOMAXOFR R. SOCYANIRATE CCOMPORTE OTHER WALL NO VFS 1.61 6.70 R FRP ECOMAXOFR R.V"** BOCYANIRATE COMPORTE OTHER WALL NO VFS 1.63 3.10.0 R F											
PR ECOMARCI PI ISOCYMMURATE PACED BINGLE MATERIAL METAL POIL G.G. WALL FLR YES 3.22 22.10 R FR ECOMARCI R SOCYMMURATE FACED BINGLE MATERIAL METAL POIL G.G.G. WALL FLR YES 3.50 25.00 R FR ECOMARCI R SOCYMMURATE FACED BINGLE MATERIAL METAL POIL G.G.G.WALL FLR YES 3.50 25.00 R FR ECOMARCI R SOCYMMURATE FACED BINGLE MATERIAL METAL POIL G.G.G.WALL FLR YES 3.50 25.00 R FRP ECOMARCI R RLY*** SOCYMMURATE COMPOSITE OTHER WALL NO YES 3.53 5.70 R FRP ECOMARCI R RLY*** SOCYMURATE COMPOSITE OTHER WALL NO YES 3.53 1.50 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 1.61 </td <td></td>											
FR ECOMANCI FR ISOCYAMURATE FACED SINGLE MATERIAL METAL FOIL C.G.G. WALL FLR VES YES 3.50 23.90 R FR ECOMANCI FR SOCYAMURATE FACED SINGLE MATERIAL, METAL FOIL C.G.G. WALL FLR VES VES 4.00 27.40 R FR ECOMANCI FR PLY** SOCYAMURATE FACED SINCLE MATERIAL, METAL FOIL C.G.G. WALL FLR VES VES 4.00 27.40 R FRP ECOMANCI FR PLY*** SOCYAMURATE CCOMPOSITE OTHER WALL NO VES 1.83 6.70 R FRP ECOMANCI FR PLY*** SOCYAMURATE CCOMPOSITE OTHER WALL NO VES 1.83 6.70 R FRP ECOMANCI FR PLY*** SOCYAMURATE CCOMPOSITE OTHER WALL NO VES 3.13 1.74.00 R FRP ECOMANCI FR PLY*** SOCYAMURATE CCOMPOSITE OTHER WALL NO VES 3.13 1.74.00 R FRP ECO											
FR ECOMAXCI FR ISOCYANURATE FACED SINLE MATERIAL METAL FOIL CL WALL FLR YES YES 3.75 28.70 R FR ECOMAXCI FR ISOCYANURATE FACED SINLE MATERIAL METAL FOIL CL WALL FLR YES YES 4.50 31.60 R FR ECOMAXCI FR ISOCYANURATE FACED SINLE MATERIAL METAL FOIL CL WALL FLR YES YES 4.50 31.60 R FRP ECOMAXCI FR PLY" ISOCYANURATE COMPOSITE OTHER WALL NO YES 31.3 19.30 R FRP ECOMAXCI FR PLY" ISOCYANURATE COMPOSITE OTHER WALL NO YES 43.3 17.40 R FRP ECOMAXCI FR PLY" ISOCYANURATE COMPOSITE OTHER WALL NO YES 43.3 24.00 R FRP ECOMAXCI FR PLY" ISOCYANURATE COMPOSITE OTHER WALL NO YES 43.3 24.00 R 76.9 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
FR ECOMAXCI FR ISOCYANURATE FACED SNOLE MATERIAL METAL FOIL CL OWALL FLR YES YES 4.00 22.40 R FR ECOMAXCI FR PLY*** ISOCYANURATE FACED SNOLE MATERIAL MCL HLR YES YES 4.50 31.00 R FRP ECOMAXCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 1.83 5.70 R FRP ECOMAXCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.13 17.00 R FRP ECOMAXCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.13 17.00 R FRP ECOMAXCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.13 3.10 R FRP ECOMAXCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 1.73 3.13 1.70 R FRP ECOMAXCI FR P											
FR ECOMANCI FR !!''' BOCYANURATE FACED SNGLE MATERIAL MELL FOL CLO WALL FLR YES YES 1.50 710 R FRP ECOMANCI FR !!'''' BOCYANURATE COMPOSITE OTHER WALL NO YES 1.83 8.70 R FRP ECOMANCI FR !!'''' BOCYANURATE COMPOSITE OTHER WALL NO YES 1.83 8.70 R FRP ECOMANCI FR !!'''' BOCYANURATE COMPOSITE OTHER WALL NO YES 1.83 8.70 R FRP ECOMANCI FR PL'''' BOCYANURATE COMPOSITE OTHER WALL NO YES 4.83 2.40 R FRP ECOMANCI FR PL'''' BOCYANURATE COMPOSITE OTHER WALL NO YES 4.53 3.10 R FRP ECOMANCI FR PL''''' BOCYANURATE COMPOSITE OTHER WALL NO YES 1.50 5.80 R R R R <											
FRP ECOMACIF PLY*** BOCYANUATE COMPOSITE OTHER WALL NO YES 1.88 5.70 R FRP ECOMACIF R.LY*** BOCYANUARTE COMPOSITE OTHER WALL NO YES 2.13 10.30 R FRP ECOMACIF R.LY*** BOCYANUARTE COMPOSITE OTHER WALL NO YES 2.13 10.30 R FRP ECOMACIF R.LY*** BOCYANUARTE COMPOSITE OTHER WALL NO YES 2.13 17.40 R FRP ECOMACIF R.LY*** BOCYANUARTE COMPOSITE OTHER WALL NO YES 4.33 2.400 R FRP ECOMACIF R.LY*** BOCYANUARTE COMPOSITE OTHER WALL NO YES 5.33 3.7.0 R FRP ECOMACIF R.LY*** BOCYANUARTE COMPOSITE OTHER WALL NO YES 5.26 17.6 3.7.0 R FRP ECOMACIF R.LY***										-	
FRP ECOMACIF R.Y*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 1.83 6.70 R FRP ECOMACIF R.Y*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.13 17.40 R FRP ECOMACIF R.Y*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.13 17.40 R FRP ECOMACIF R.Y*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.13 17.40 R FRP ECOMACIF R.Y*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 5.13 37.70 R FRP ECOMACIF R.Y*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 5.33 37.70 R FRP ECOMACIF R.P.Y*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.53 17.50 6.00 R FRP ECOMACIF R.P.Y*** </td <td></td>											
FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.13 10.30 R FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.83 7.140 R FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.83 7.140 R FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.83 24.60 R FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.83 28.10 R FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.83 24.00 R FRP ECOMAXCI RR IV.**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.35 24.00 R FRP ECOMAXCI RR IV.*****											
FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.13 17.40 R FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.13 24.60 R FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.13 24.60 R FRP ECOMAXCI RR IV.*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 5.13 31.70 R FRP ECOMAXCI RR IV.**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 5.13 31.70 R FRP ECOMAXCI RR IV.**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 17.05 R FRP ECOMAXCI RR IV.**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 2.49 R FRP ECOMAXCI RR IV.****											
FPRP ECOMAXCI FR PLY" ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.8.8 21:00 R FRP ECOMAXCI FR PLY" ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.13 24.60 R FRP ECOMAXCI FR PLY" ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.53 28.10 R FRP ECOMAXCI FR PLY"" ISOCYANURATE COMPOSITE OTHER WALL NO YES 1.50 5.60 R FRP ECOMAXCI FR PLY"" ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 10.50 R FRP ECOMAXCI FR PLY"" ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 10.50 R FRP ECOMAXCI FR PLY"" ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 10.00 R FRP ECOMAXCI FR LY""									-		
FRP ECOMANCIFE PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.63 28.10 R FRP ECOMANCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 1.50 5.50 R FRP ECOMANCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 1.75 6.50 R FRP ECOMANCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.25 2.12.0 R FRP ECOMANCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.25 2.12.0 R FRP ECOMANCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 2.45.0 R FRP ECOMANCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 2.45.0 R 1.00 R R	FRP	ECOMAXCI FR PLY***	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO			21.00	R
FRP ECOMACCIFR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 5.13 31.70 R FRP ECOMAXCIFR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 1.50 5.80 R FRP ECOMAXCIFR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 1.05.0 R FRP ECOMAXCIFR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 1.05.0 R FRP ECOMAXCIFR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 2.48.0 R FRP ECOMAXCIFR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 2.48.0 R FRP ECOMAXCIFR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 2.48.0 R R R R R	FRP	ECOMAXCI FR PLY***	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	4.13	24.60	R
FRP ECOMAXCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 150 500 R FRP ECOMAXCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 10.50 R FRP ECOMAXCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 17.36 R FRP ECOMAXCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.75 21.20 R FRP ECOMAXCI FR PLY**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.75 28.30 R FRP ECOMAXCI FR VI+ITE ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.75 28.30 R FRW ECOMAXCI FR VI+ITE ISOCYANURATE FACED SINGE MATERIAL METAL FOIL CLG WALL FLR YES 1.00 0.00 R FRW ECOMAXCI FR WI+I	FRP	ECOMAXCI FR PLY***	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	4.63	28.10	R
FRP ECOMAXCI FR N,***** ISOCYANURATE COMPOSITE OTHER WALL NO YES 175 6.80 R FRP ECOMAXCI FR N,***** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.25 17.60 R FRP ECOMAXCI FR N,***** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.25 17.60 R FRP ECOMAXCI FR N,***** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 24.80 R FRP ECOMAXCI FR N,**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 24.80 R FRP ECOMAXCI FR N,**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 5.25 31.60 R FRW ECOMAXCI FR N/**** ISOCYANURATE COMOSITE OTHER WALL NO YES 5.25 31.60 R FRW ECOMAXCI FR WHITE <td>FRP</td> <td>ECOMAXCI FR PLY***</td> <td>ISOCYANURATE</td> <td>COMPOSITE</td> <td>OTHER</td> <td>WALL</td> <td>NO</td> <td>YES</td> <td>5.13</td> <td>31.70</td> <td>R</td>	FRP	ECOMAXCI FR PLY***	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	5.13	31.70	R
FRP ECOMAXCI FR PL***** ISOCYANURATE COMPOSITE OTHER WALL NO YES 2.25 10.50 R FRP ECOMAXCI FR PL***** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.25 21.20 R FRP ECOMAXCI FR PL***** ISOCYANURATE COMPOSITE OTHER WALL NO YES 3.25 21.20 R FRP ECOMAXCI FR PL***** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 28.30 R FRP ECOMAXCI FR PL**** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 28.30 R FRW ECOMAXCI FR VHITE ISOCYANURATE FACED SINCLE MATERIAL METAL FOIL CLG WALL FLR YES 1.25 7.80 R FRW ECOMAXCI FR VHITE ISOCYANURATE FACED SINCLE MATERIAL METAL FOIL CLG WALL FLR YES 1.55 1.40 R FRW ECOMAXCI FR	FRP	ECOMAXCI FR PLY****	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.50	5.90	R
FRP ECOMAXCI FR PLY**** SOCYANUPATE COMPOSITE OTHER WALL NO YES 3.25 17.60 R FRP ECOMAXCI FR PLY**** SOCYANUPATE COMPOSITE OTHER WALL NO YES 4.25 24.80 R FRP ECOMAXCI FR PLY**** SOCYANUPATE COMPOSITE OTHER WALL NO YES 4.25 24.80 R FRP ECOMAXCI FR PLY**** SOCYANUPATE COMPOSITE OTHER WALL NO YES 4.25 24.80 R FRW ECOMAXCI FR WHITE SOCYANUPATE FACED SINCLE MATERIAL METAL FOIL CLG WALL FLR YES 1.50 0.60 R FRW ECOMAXCI FR WHITE SOCYANUPATE FACED SINCLE MATERIAL METAL FOIL CLG WALL FLR YES 1.50 0.60 R FRW ECOMAXCI FR WHITE SOCYANUPATE FACED SINCLE MATERIAL METAL FOIL CLG WALL FLR YES 1.50 0.60 R R FR ECOMAXCI FR WHIT											R
FRP ECOMAXCI FR PLY**** ISOCYANUPARE COMPOSITE OTHER WALL NO YES 3.75 21.20 R FRP ECOMAXCI FR PLY**** ISOCYANUPARE COMPOSITE OTHER WALL NO YES 4.75 28.80 R FRP ECOMAXCI FR PLY**** ISOCYANUPARE COMPOSITE OTHER WALL NO YES 4.75 28.80 R FRW ECOMAXCI FR WHITE ISOCYANUPARE COMPOSITE OTHER WALL NO YES 5.75 21.20 R FRW ECOMAXCI FR WHITE ISOCYANUPARE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 1.75 7.10 R R PRW ECOMAXCI FR WHITE ISOCYANUPARE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 1.75 1.14.0 R FRW ECOMAXCI FR WHITE ISOCYANUPARE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 1.50 9.80 R FR FR ECOMAXCI											
FRP ECOMAXCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.25 24.80 R FRP ECOMAXCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.75 28.30 R FRP ECOMAXCI FR WHTTE ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.75 28.30 R FRW ECOMAXCI FR WHTTE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES YES 1.50 9.60 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES YES 1.50 9.60 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 1.50 9.60 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 1.50 9.60 1.30 7.80<											
FRP ECOMAXCI FR PLY*** ISOCYANURATE COMPOSITE OTHER WALL NO YES 4.75 28.30 R FRW ECOMAXCI FR PLY*** ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL C.G WALL FLR YES YES 1.00 6.00 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL C.G WALL FLR YES YES 1.25 7.80 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL C.G WALL FLR YES YES 1.50 1.40 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL C.G WALL FLR YES YES 1.00 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL C.G WALL FLR YES YES 2.00 110 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL C.G WALL FLR YES YES 3.											
FRP ECOMAXCIFR WHTE ISOCYANURATE COMPOSITE OTHER WALL NO YES 5.25 31.90 R FRW ECOMAXCIFR WHTE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES YES 1.25 7.80 R FRW ECOMAXCIFR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 1.25 7.80 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 1.50 9.80 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 1.50 9.80 R3 11.40 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 2.00 13.10 R FRW ECOMAXCI FR WHITE ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL CLG WALL FLR YES 3.50 2.230 R<											
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MFAMULTI-MAX FA-3ISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO3.3019.20RMFAMULTI-MAX FA-3ISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO3.5020.50RMFAMULTI-MAX FA-3ISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO4.0023.60RMFAMULTI-MAX FA-3ISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO4.0023.60RMFAMULTI-MAX FA-3ISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO4.5026.80RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO1.508.60RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO1.609.10RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO1.8010.30RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO1.8010.30R											
MFAMULTI-MAX FA-3ISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO3.5020.50RMFAMULTI-MAX FA-3ISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO4.0023.60RMFAMULTI-MAX FA-3ISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO4.0023.60RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO4.5026.80RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO1.508.60RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO1.609.10RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO1.8010.30RMHDMULTI-MAX HDISOCYANURATEFACED SINGLE MATERIALPAPERROOF DECKNONO1.8010.30R											
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MFA MULTI-MAX FA-3 ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 4.50 26.80 R MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.50 8.60 R MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.60 8.10 R MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.60 8.10 R MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.60 9.10 R											
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.50 8.60 R MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.60 9.10 R MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.60 9.10 R MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.80 10.30 R											
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.60 9.10 R MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.80 10.30 R											
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK NO NO 1.80 10.30 R											
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I MITU MULTI-MAA HU ISUUYANUKATE FACED SINGLE MATEKIAL PAPER KUOF DECK NO NO 2.00 11.40 R	MHD	MULTI-MAX HD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R

Brand Sector Sec	Designed for Exposed pplications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	2.10	12.00	R
MID MULTIMAKTID ISOCIANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	2.30	13.20	R
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	2.50	14.40	R
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	2.60	15.00	R
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	2.70	15.60	R
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	3.00	17.40	R
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	3.30	19.20	R
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	3.50	20.50	R
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	4.00	23.60	R
MHD MULTI-MAX HD ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	4.50	26.80	R
MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK	NO	NO	2.10	12.00	R
MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK	NO	NO	2.30	13.20	R
MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK	NO	NO	2.50	14.40	R
MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK	NO	NO	2.60	15.00	R
MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK	NO	NO	2.70	15.60	R
MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK	NO NO	NO	3.00	17.40 19.20	R
MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK MM MULTI-MAX-3 ISOCYANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK	NO	NO NO	3.30 3.50	20.50	R R
MM MULTI-MAX-3 ISOCTANURATE FACED SINGLE MATERIAL FBR GLS ROOF DECK	NO	NO	4.00	20.50	R
NB3 NALABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	1.50	6.30	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	2.10	9.70	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	2.50	12.00	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	2.70	13.20	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	3.00	15.00	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	3.30	16.80	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	3.50	18.00	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	3.80	19.80	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	4.00	21.10	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	4.50	24.20	R
NB3 NAILABLE BASE-3 ISOCYANURATE COMPOSITE OTHER ROOF DECK	NO	NO	5.00	27.40	R
RB3 RE-COVER BOARD-3 ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	0.75	4.30	R
RB3 RE-COVER BOARD-3 ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	1.00	5.70	R
RB3 RE-COVER BOARD-3 ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	1.20	6.80	R
RB3 RE-COVER BOARD-3 ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	1.40	8.00	R
RBG RMAX BELOW GRADE ISOCYANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR	NO	YES	0.75	5.00	R
RBG RMAX BELOW GRADE ISOCYANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR	NO	YES	1.00	6.00	R
RBG RMAX BELOW GRADE ISOCYANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR RBG RMAX BELOW GRADE ISOCYANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR	NO NO	YES YES	1.50 2.00	10.00	R
RBG RMAX BELOW GRADE ISOCYANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR RBG RMAX BELOW GRADE ISOCYANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR	NO	YES	2.00	13.10 15.00	R R
RBG RMAA BELOW GRADE ISOCYANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR RBG RMAX BELOW GRADE ISOCYANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR	NO	YES	2.30	16.70	R
RBG RMAX BELOW GRADE ISOCTANURATE FACED SINGLE MATERIAL PLASTIC FILM CLG WALL FLR	NO	YES	3.00	20.30	R
RMP R MATTE PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	0.50	3.20	R
RMP R MATTER PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METALFOIL WALL	NO	YES	0.63	4.00	R
RMP R MATTER PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	0.75	5.00	R
RMP R MATTER PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	1.00	6.00	R
RMP R MATTER PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	1.50	9.60	R
RMP R MATTE PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	2.00	13.10	R
RMP R MATTE PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	2.50	16.70	R
RMP R MATTE PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	3.00	20.30	R
RMP R MATTE PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	3.50	23.90	R
RMP R MATTE PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	4.00	27.40	R
RMP R MATTE PLUS-3 ISOCYANURATE FACED SINGLE MATERIAL METAL FOIL WALL	NO	YES	4.50	31.00	R
SS SARNATHERM R ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	1.50	8.60	R
SS SARNATHERM R ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	1.60	9.10	R
SS SARNATHERM R ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	1.80	10.30	R
SS SARNATHERM R ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	2.00	11.40	R
SS SARNATHERM R ISOCYANURATE FACED SINGLE MATERIAL PAPER ROOF DECK	NO	NO	2.10	12.00	R

BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS											
Brand Code*	Product ID	Material		Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value	
SS	SARNATHERM R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R	
SS	SARNATHERMR	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R	
SS	SARNATHERM R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R	
SS	SARNATHERM R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R	
SS	SARNATHERM R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R	
SS	SARNATHERM R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R	
SS	SARNATHERM R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R	
SS	SARNATHERM R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R	
SS	SARNATHERM R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.50	26.80	R	
SCG	SARNATHERM R CG	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.50	8.60	R	
SCG	SARNATHERM R CG	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.00	11.40	R	
SCG	SARNATHERM R CG	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.50	14.40	R	
SCG	SARNATHERM R CG	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.00	17.40	R	
SCG	SARNATHERM R CG	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R	
SCG	SARNATHERM R CG	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R	
SCG TBD	SARNATHERM R CG THERMABASE-CI DS	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL COMPOSITE	FBR GLS OTHER	ROOF DECK	NO NO	NO NO	4.50	26.80	R R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO NO	NO	1.00	3.60 5.10	R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	1.25	6.60	R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	2.00	9.60	R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	2.50	12.70	R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	3.00	15.90	R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	3.50	19.10	R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	4.00	22.30	R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	4.50	25.60	R	
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	5.00	28.90	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	1.00	3.80	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	1.25	5.30	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	1.50	6.60	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	2.00	10.20	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	2.50	13.70	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	3.00	17.30	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	3.50	20.90	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	4.00	24.50	R	
TBT	THERMABASE-CI TS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	4.50	28.00	R	
TBT	THERMABASE-CI TS	ISOCYANURATE ISOCYANURATE		OTHER	WALL	NO NO	NO	5.00	31.60	R	
TRP TRP	THERMAROOF PLUS-3 THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	ROOF DECK ROOF DECK	NO NO	YES YES	1.00	6.00 9.60	R	
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	ROOF DECK	NO	YES	2.00	9.60	R	
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	ROOF DECK	NO	YES	2.00	16.70	R	
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	ROOF DECK	NO	YES	3.00	20.30	R	
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	ROOF DECK	NO	YES	3.50	23.90	R	
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	ROOF DECK	NO	YES	4.00	27.40	R	
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	ROOF DECK	NO	YES	4.50	31.00	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	0.50	3.20	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	0.75	5.00	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	1.00	6.00	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	1.25	7.80	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	1.50	9.60	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	1.75	11.40	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	2.00	13.10	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	2.25	14.90	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	2.50	16.70	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	3.00	20.30	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	3.25	22.10	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	3.50	23.90	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	3.75	25.70	R	

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TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	4.00	27.40	R	
TS	THERMASHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES**	4.50	31.00	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	0.75	4.30	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	1.00	5.70	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	1.50	8.60	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	2.00	11.40	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	2.50	14.40	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	3.00	17.40	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	3.50	20.50	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	4.00	23.60	R	
TSC	SARNATHERM R CG TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	4.25	25.20	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	1.00	6.00	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	1.25	7.60	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	1.50	9.00	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO NO	NO	1.75	10.60	R	
TSA TSA	TSA-FA TSA-FA	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	CLG WALL FLR CLG WALL FLR	NO	NO NO	2.00	12.10	R R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	2.23	15.30	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	2.75	16.90	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	3.00	18.50	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	3.50	21.70	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	4.00	25.00	R	
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	4.50	28.30	R	
TSI	THERMASHEATH-SI	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	0.50	3.20	R	
TSI	THERMASHEATH-SI	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	0.75	5.00	R	
TSI	THERMASHEATH-SI	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.00	6.00	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	4.30	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25	7.10	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25	12.90	R	
TSS	SARNATHERM R TAPERED SARNATHERM R TAPERED	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK ROOF DECK	NO NO	NO NO	2.50 2.75	14.40 15.90	R R	
TSS TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	15.90	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	18.90	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.75	22.10	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R	
TSS	SARNATHERM R TAPERED	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.25	25.20	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.00	6.00	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.25	7.80	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.50	9.60	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.75	11.40	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	2.00	13.10	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	2.25	14.90	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	2.50	16.70	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	2.75	18.50	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	3.00	20.30	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	3.25	22.10	R	
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	3.50	23.90	R	
TSP TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO NO	YES	4.00	27.40	R	
TSP	TSP TS-RDECK	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL COMPOSITE	METAL FOIL OTHER	CLG WALL FLR ROOF DECK	YES	YES YES	4.50	31.00 3.80	R R	
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	1.00	6.60	R	
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	2.00	10.20	R	

		I	BHGS - THERMAL IN BOARD INSULATION MANUI							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	2.50	13.70	R
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	3.00	17.30	R
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	3.50	20.90	R
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	4.00	24.50	R
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	4.50	28.00	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	4.30	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25	7.10	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25	12.90	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75	15.90	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	PAPER PAPER	ROOF DECK	NO NO	NO	3.00	17.40	R
TTR	TAPERED THERMAROOF-3 TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	ROOF DECK ROOF DECK	NO	NO NO	3.25 3.50	20.50	R R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.25	25.20	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	0.75	4.30	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.00	5.70	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.25	7.10	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.50	8.60	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.75	10.00	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.00	11.40	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.25	12.90	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.50	14.40	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.75	15.90	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.25	18.90	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.75	22.10	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R
TUF TUM	TAPERED ULT-MAX FR	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO NO	NO	4.25 0.75	25.20	R
TUM	TAPERED ULTRAMAX TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	FBR GLS FBR GLS	ROOF DECK ROOF DECK	NO	NO NO	1.00	4.30 5.70	R R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.00	7.10	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.50	8.60	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.75	10.00	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.00	11.40	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.25	12.90	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.50	14.40	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.75	15.90	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.00	17.40	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.25	18.90	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.75	22.10	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.25	25.20	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.50	8.60	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.60	9.10	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.80	10.30	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.00	11.40	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.10	12.00	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.30	13.20	R
UM UM	ULTRAMAX ULTRAMAX	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	FBR GLS FBR GLS	ROOF DECK ROOF DECK	NO NO	NO NO	2.50	14.40 15.00	R
UNI	ULTKAMAX	ISUCTANURATE	FAGED SINGLE MATERIAL	FBR GLO	KUUF DEUK	NU	NU	2.00	15.00	к

			BHGS - THERMAL INS BOARD INSULATION MANUF							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.70	15.60	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.00	17.40	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.30	19.20	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.50	26.80	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.50	8.60	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.60	9.10	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.80	10.30	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.00	11.40	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.10	12.00	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.30	13.20	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.50	14.40	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.60	15.00	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.70	15.60	R
UMF UMF	ULTRAMAX FR ULTRAMAX FR	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	FBR GLS FBR GLS	ROOF DECK ROOF DECK	NO NO	NO NO	3.00 3.30	17.40	R R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	20.50	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.50	26.80	R
UMP	ULTRAMAX PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.50	8.60	R
UMP	ULTRAMAX PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.00	11.40	R
UMP	ULTRAMAX PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.50	14.40	R
UMP	ULTRAMAX PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.00	17.40	R
UMP	ULTRAMAX PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R
UMP	ULTRAMAX PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R
UMP	ULTRAMAX PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.50	26.80	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	0.75	4.30	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.00	5.70	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.50	8.60	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.00	11.40	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.50	14.40	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.00	17.40	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R
UPT	ULTRAMAX PLUS TAP	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.25 0.75	25.20	R
X00 X00	TSX 8500 TSX 8500	ISOCYANURATE ISOCYANURATE	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	METAL FOIL METAL FOIL	CLG WALL FLR CLG WALL FLR	YES YES	YES YES	1.00	5.00 6.00	R R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	7.80	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.23	9.60	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	13.10	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	14.90	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	16.70	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	20.30	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	22.10	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	23.90	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	25.70	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	27.40	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.50	31.00	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.00	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	7.80	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.60	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	13.10	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	16.70	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	20.30	R

			BHGS - THERMAL IN BOARD INSULATION MANU							
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	23.90	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	27.40	R
X10	TSX-8510	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.50	31.00	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.00	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	7.80	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.60	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	13.10	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	14.90	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	16.70	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	20.30	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	22.10	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	23.90	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	25.70	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	27.40	R
X20	TSX-8520	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.50	31.00	R

** WITH TAPED JOINTS *** WITH 5/8-IN FRTP *** WITH 3/4-IN FRTP

* DESCRIPTION OF BRAND CODES:			
AB = ECOMAXCI FR AB	MHD = MULTI-MAX HD	TRP = THERMAROOF PLUS-3	TUM = TAPERED ULTRAMAX
CCG = CONCRETE CORE-CGF	MM = MULTI-MAX-3	TS = THERMASHEATH	UM = ULTRAMAX
DS = DURASHEATH	NB3 = NAILABLE BASE-3	TSC = SARNATHERM R CG TAPERED	UMF = ULTRAMAX FR
ECI = ECOMAXCI	RB3 = RE-COVER BOARD-3	TSA = TSA-FA	UMP = ULTRAMAX PLUS
ECP = ECOMAXCI PLY	RBG = RMAX BELOW GRADE	TSI = THERMASHEATH-SI	UPT = ULTRAMAX PLUS TAP
EVO = EVOMAXCI	RMP = R MATTE PLUS-3	TSS = SARNATHERM R TAPERED	X00 = TSX 8500
FR = ECOMAXCI FR	SS = SARNATHERM R	TSP = TSP	X10 = TSX-8510
FRP = ECOMAXCI FR PLY	SCG = SARNATHERM R CG	TSR = THERMASHEATH-RDECK	X20 = TSX-8520
FRW = ECOMAXCI FR WHITE	TBD = THERMABASE-CI DS	TTR = TAPERED THERMAROOF-3	
MFA = MULTI-MAX FA-3	TBT = THERMABASE-CI TS	TUF = TAPERED ULT-MAX FR	

	Versico	o Inc T 1419				Updated 09/30/2024	4			
VCD	SECURSHIELD CD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.70	R
VCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.70	R
VCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.50	8.60	R
VCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.00	11.40	R
VCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.50	14.40	R
VCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.70	15.60	R
VCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	3.00	17.40	R
VCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	4.00	23.60	R
VFF	MP-F POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	1.00	6.7 **	R
VFF	MP-F POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	1.50	10.5 **	R
VFF	MP-F POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	2.00	14.4 **	R
VFF	MP-F POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	2.50	17.5 **	R
VFF	MP-F POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	2.70	19.3 **	R
VFF	MP-F POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	3.00	21.2 **	R
VFF	MP-F POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	ALUM FOIL CRAFT	ROOF DECK	NO	NO	4.00	28 **	R
VHC	SECURSHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	2.00	11.10	R
VHC	SECURSHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	2.50	13.90	R
VHC	SECURSHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	3.00	16.90	R
VHC	SECURSHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	4.00	23.00	R
VHD	SECURSHIELD HD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	0.50	2.50	R
VNB	MP-HNB INSULATION	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	1.50	6.20	R

	BHGS - THERMAL INSULATION DIRECTORY BOARD INSULATION MANUFACTURERS/PRIVATE LABELS												
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	R, K or C Value			
VNB	MP-HNB INSULATION	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	2.00	9.20	R			
VNB	MP-HNB INSULATION	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	3.00	15.00	R			
VNB	MP-HNB INSULATION	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	4.00	21.10	R			
VSD	MP-H POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R			
VSD	MP-H POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R			
VSD	MP-H POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R			
VSD	MP-H POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R			
VSD	MP-H POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R			
VSD	MP-H POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R			
VSD	MP-H POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R			
VSD	MP-H POLYISOCYANURATE	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R			
VWF	MP-HWF INSULATION	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	1.50	7.00	R			
VWF	MP-HWF INSULATION	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	2.00	10.00	R			
VWF	MP-HWF INSULATION	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	2.50	12.80	R			
VWF	MP-HWF INSULATION	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	3.00	15.80	R			
VWF	MP-HWF INSULATION	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	3.50	18.80	R			
VWF	MP-HWF INSULATION	ISOCYANURATE	COMPOSITE	FIBERBOARD	ROOF DECK	NO	NO	4.00	21.90	R			

**=Initial R-Values

* DESCRIPTION OF BRAND CODES:	
VCD = SECURSHIELD CD	VHD = SECURSHIELD HD
VCG = MP-HCG	VNB = MP-H-NB
VFF = MP-F POLYISOCYANURATE	VSD = MP-H
VHC = SECURSHIELD HD COMPOSITE	VWF = MP-H-WF

			Polystyre	ne Board						
	Atlas Molde	d Products - T 1472				Updated 9/30/202	4			
EPS	THERMALSTAR LWI/LRI 10	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**3.6	R
EPS	THERMALSTAR LWI/LRI 13	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**3.8	R
EPS	THERMALSTAR LWI/LRI 15	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**4.0	R
EPS	THERMALSTAR LWI/LRI 25	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**4.2	R
EPS	THERMALSTAR LWI/LRI 40	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**4.5	R
EPS	THERMALSTAR LWI/LRI 60	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**4.6	R
EPS	TYPE I / EPS15	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**3.6	R
EPS	TYPE VIII / EPS19	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**3.8	R
EPS	TYPE II / EPS22	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.0	R
EPS	TYPE IX / EPS29	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.2	R
EPS	TYPE XIV / EPS39	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.5	R
EPS	TYPE XV / EPS46	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.6	R
GPS	GPS TYPE I	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.7	R
GPS	GPS TYPE II	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.7	R
GPS	GPS TYPE VIII	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.7	R
GPS	GPS TYPE IX	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.7	R

* DESCRIPTION OF BRAND CODES: GPS = GRAPHITE EPS

EPS = EPS

** = Values will vary with thickness. Stated values are R values per inch. EPS & GPS can be as thick as 48", and ThermalStar LWI/LRI can be as thick as 4".

	BASF Corporation - T 1533				Updated 10/29/2020							
NEO	TYPE I	POLYSTYRENE	SINGLE MATERIAL	NONE	RF, WALL, PERIMETER	NO	NO	1.00	4.70	R		
NEO	TYPE VIII	POLYSTYRENE	SINGLE MATERIAL	NONE	RF, WALL, PERIMETER	NO	NO	1.00	4.70	R		
NEO	TYPE VIII	POLYSTYRENE	SINGLE MATERIAL	NONE	RF, WALL, PERIMETER	NO	NO	1.06	5.00	R		
NEO	TYPE II	POLYSTYRENE	SINGLE MATERIAL	NONE	RF, WALL, PERIMETER	NO	NO	1.00	4.70	R		
NEO	TYPE II	POLYSTYRENE	SINGLE MATERIAL	NONE	RF, WALL, PERIMETER	NO	NO	1.06	5.00	R		
NEO	TYPE XI	POLYSTYRENE	SINGLE MATERIAL	NONE	PERIMETER	YES	NO	1.06	4.90	R		
THR	TYPE II	POLYSTYRENE	DUAL MATERIAL	HOUSEWRAP	WALL, PERIMETER	YES	YES	1.06	5.00	R		

		В	BHGS - THERMAL IN OARD INSULATION MANU						
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	 R, K or C Value

* DESCRIPTION OF BRAND CODES: NEO=NEOPOR GRAPHITE ENHANCED POLYSTYRENE THR=NEOPOR THERMAPLUS WRB CONTINUOUS INSULATION

	DuPont de N	lemours Inc T 1535		Updated 04/15/2024							
DOW	BLUECOR	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.25	1.00	R	
DOW	DOW HP UL	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.25	1.00	R	
DOW	DOW HP UL	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.38	1.50	R	
DOW	DOW HP UL	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.50	2.10	R	
DOW	STO INSUL-X**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00	R	
SF	CAVITYMATE ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	1.00	5.60	R	
SF	CAVITYMATE ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	1.75	10.00	R	
SF	CAVITYMATE ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	2.13	12.00	R	
SF	CAVITYMATE ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	2.50	14.00	R	
SF	CAVITYMATE ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	2.79	15.60	R	
SF	CAVITYMATE ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	3.00	16.80	R	
SF	CAVITYMATE ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	3.50	19.60	R	
SF	DOW PROTECTION BD III	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL FLR	NO	YES	0.25	1.00	R	
SF	LEVELR	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.25	1.00	R	
SF	LEVELR	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.38	1.40	R	
SF	RECOVERMATE CR	POLYSTYRENE	FACED SINGLE MATERIAL	KRAFT	ROOF	NO	YES	0.38	1.50	R	
SF	RESIDENTIAL SHEATHING	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.55	3.00	R	
SF	RESIDENTIAL SHEATHING	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.75	4.00	R	
SF	RESIDENTIAL SHEATHING	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	1.00	5.00	R	
SF	STUCCOMATE	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.75	4.00	R	
SF	STUCCOMATE	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	1.00	5.00	R	
SF	TYPE IV**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00	R	
SF	TYPE V**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00	R	
SF	TYPE VI**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00	R	
SF	TYPE VII**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00	R	
SF	TYPE X**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00	R	
SF	ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	1.00	5.60	R	
SF	ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	1.75	10.00	R	
SF	ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	2.13	12.00	R	
SF	ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	2.50	14.00	R	
SF	ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	2.79	15.60	R	
SF	ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	3.00	16.80	R	
SF	ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	YES	3.50	19.60	R	

** = Values will vary with thickness. Stated values are for 1 inch = R-5.

* DESCRIPTION OF BRAND CODES: DOW = DOW CHEMICAL CO

SF = STYROFOAM

	Insu	ulfoam - T 1482		Updated 10/04/2012						
IF	INSULFOAM15FS015	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.00	4.20	R
IF	INSULFOAM15FS015	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.50	6.20	R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	0.50	2.00	R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.00	4.00	R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.50	6.00	R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.00	8.00	R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.50	10.00	R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.00	12.00	R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	14.00	R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	4.00	16.00	R
IF	INSULFOAMR-TECH I	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	NO	NO	0.38	1.45	R
IF	INSULFOAMR-TECH I	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	NO	NO	0.50	1.93	R

		E	BHGS - THERMAL IN BOARD INSULATION MANU	ISULATION DIRECTO		_				
Brand Code*	Product ID Material Type Facing Primary Use Acts as a Vapor Exposed Labeled Labeled Labeled Product ID Material Type Facing Primary Use Applications? (Class 1/ II) Inches mance C Value									
IF	INSULFOAMR-TECH I	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	NO	NO	0.75	2.89	R
IF	INSULFOAMR-TECH I	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	NO	NO	1.00	3.85	R
IF	INSULFOAMR-TECH I	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	NO	NO	1.50	5.78	R
IF	INSULFOAMR-TECH I	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	NO	NO	2.00	7.70	R
IF	INSULFOAMR-TECH I	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	NO	NO	3.00	11.60	R
IF	INSULFOAMR-TECH I	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	CLG WALL FLR	NO	NO	4.00	15.50	R

R VALUE TEST ASTM C518

*DESCRIPTION OF BRAND CODES IF = INSULFOAM

	Kingspan Ins	sulation, LLC - T 1506				Updated 03/29/202	1			
KNG	DC14**	POLYSTYRENE	FOAM LAYERS	PLASTIC	WALL	NO	NO	0.25	1.00	R
KNG	FP1450**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.25	1.00	R
KNG	FQ250	POLYSTYRENE	SINGLE MATERIAL	FOIL	WALL	NO	NO	0.20	2.9*****	R
KNG	FQ350	POLYSTYRENE	SINGLE MATERIAL	FOIL	WALL	NO	NO	0.30	3.1****	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.50	3.00	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.75	3.80	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	1.00	5.00	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	2.00	10.00	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	3.00	15.00	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	4.00	20.00	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF	NO	YES	1.00	5.00	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF	NO	YES	2.00	10.00	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF	NO	YES	3.00	15.00	R
KNG	GREENGUARD LG	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF	NO	YES	4.00	20.00	R
KNG	GREENGUARD LG -CMX/SLX	POLYSTYRENE	FOAM LAYERS	PLASTIC	WALL	NO	YES	0.50	3.00	R
KNG	GREENGUARD LG-CMX/SLX	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	0.75	3.80	R
KNG	GREENGUARD LG-CMX/SLX	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	1.00	5.00	R
KNG	P1450**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.25	1.00	R
KNG	PB38***	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	0.37	1.50	R
KNG	PB4**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.25	1.00	R
KNG	PB6**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	0.37	1.50	R
KNG	PB6HD**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	0.37	1.50	R
KNG	PB6 PLUS**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	NO	0.37	1.50	R
KNG	PB6W/DURO-GUARD	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	NO	0.37	1.50	R
KNG	PG38***	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	0.37	1.50	R
KNG	PG38***	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.44	2.00	R
KNG	PG48***	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.44	2.00	R
KNG	PG49***	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.44	2.00	R
KNG	PGF28***	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	0.37	1.50	R
KNG	PLYGOOD-ULTRA	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.37	1.50	R
KNG	PLYGOOD-ULTRA	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.44	1.80	R
KNG	Q250**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.20		-
KNG	Q350**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.30		-
KNG	S14**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.25	1.00	R
KNG	XFP14**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.25	1.00	R
KNG	XFP38	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.37	1.50	R
KNG	XP14**	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.25	1.00	R
KNG	XP38	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	NO	0.37	1.50	R

** = Values will vary with thickness. Stated values are for R-5.

*** = Exposure applicable to AGTEK only.

**** = System R-Value is calculated in accordance with the "ASHRE Handbook of Fundamentals" using a 1/2" uniform parallel uniform dead air space. The R-Value of this product installed without an air space is 1.1

***** = System R-Vlue is calculated in accordance with the "ASHRE Handbook of Fundamentals" using a 1/2" uniform parrallel dead air space. The R-Value of this product installed without

*DESCRIPTION OF BRAND CODES:

		В	BHGS - THERMAL IN OARD INSULATION MANU	ISULATION DIRECTO						
Brand Code*	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perfor- mance	
	KNG = KINGSPAN INSULATION, LLC			an air space is 0.9)					

	Owens Corning	Foam Insulation LLC - T 1427				Updated 6/14/2008	8			
FMR	D-FA, D-PLUS	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	**1.00	**5.0	R
FMR	F-I/S	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	WALL	NO	YES	**1.00	**5.0	R
FMR	FF, F-1/2"	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.0	R
FMR	TYPE IV	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	YES***	YES	**1.00	**5.0	R
FMR	TYPE V	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.0	R
FMR	TYPE VI	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.0	R
FMR	TYPE VII	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.0	R
FMR	TYPE X	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.0	R

** = Values will vary with thickness. Stated values are for R-5. *** = Exposure applicable to AGTEK only.

* DESCRIPTION OF BRAND CODES: FMR = FOAMULAR

	Poliestireno Alfa	a Gamma S.A. de C.V T 1470			U	pdated 09/30/202	22			
ALT	TYPE XI/EPS12	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**3.20	R
ALT	TYPE I/EPS15	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**3.60	R
ALT	TYPE VIII/EPS19	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**3.80	R
ALT	TYPE II/EPS22	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.00	R
ALT	TYPE IX/EPS29	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.20	R
ALT	TYPE XIV/EPS39	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.20	R
ALT	TYPE XV/EPS46	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.30	R
ALT	GPS TYPE II	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	NO	**1.00	**4.70	R

* DESCRIPTION OF BRAND CODES: ALT = ALFATERM GEOFOAM

** = Values will vary with thickness. Stated values are R values per inch.

	Sij	plast, Inc T 1320			l	Jpdated 06/14/200	8			
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	1.00	3.90	R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	2.00	7.80	R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	4.00	16.00	R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	5.00	20.00	R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	6.00	24.00	R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	7.00	28.00	R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	8.00	32.00	R

* DESCRIPTION OF BRAND CODES: ISP = INSULPERM

			BHGS - THERMA IGID STOCK INSI		-	-					
Brand Code*	and object Product ID Material Type Facing Primary Use Construction Primary Use Construction Retarder? Foot Sinches Product Sinches Construction Sinches Con										
			Polyisoc	yanurate F	Rigid Stock						-
	Duna	USA Inc T 1476					Updated	d 12/12/20 [,]	11		
COR	CORAFOAM P20	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO			0.19	K

COR = CORAFOAM

	Johr	ns Manville - T 1341					Updated	06/08/202	0		
TRY	TRYMER 25-50	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO			0.19	K
TRY	TRYMER 1800	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO			0.19	K
TRY	TRYMER 2000XP	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO			0.19	K
TRY	TRYMER 2500	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO			0.19	K
TRY	TRYMER 3000	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO			0.19	K
TRY	TRYMER 4000	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO			0.19	K
TRY	TRYMER 6000	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO			0.20	K
TRY	TRYMER 200L	ISOCYANURATE	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO			0.19	K
TRY	TRYMER 250L	ISOCYANURATE	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO			0.19	K
TRY	TRYMER 350L	ISOCYANURATE	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO			0.19	K
TRY	TRYMER 400L	ISOCYANURATE	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO			0.19	K

* DESCRIPTION OF BRAND CODES:

TRY = TRYMER

	Kingspa	n Insulation LLC - T 1	538				Updated	08/24/2022	2		
ISO	ISO-C1/2.0	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	NO	NO			0.18	K
ISO	ISO-C1/2.5	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	NO	NO			0.18	K

* DESCRIPTION OF BRAND CODES:

ISO = ISO-C1

			Polys	tyrene Rigi	d Stock						
	DuPont de Nemours Inc T 1535 Updated 04/24/2020										
XPS	PIPE INSULATION BILLET	PIPE		YES	1.60		0.26	K			

* DESCRIPTION OF BRAND CODES:

			BHGS - THERMA RIGID STOCK INS								
						Designed for		Density	Labeled	Labolad	
							Acts as a		Product		
Brand						Applica-	Vapor	Cubic	Thicknes	Perfor-	R, K or
Code*	Product ID	Material	Туре	Facing	Primary Use	tions?	Retarder?	Foot	s Inches	mance	C Value

XPS = EXTRUDED POLYSTYRENE FOAM

			S - THERMAL INSULAT								
Brand Code*	Code* Product ID Material Type Primary Use tions? Retarder? Up Down Level C Value										
			Reflective Fo								
	Covertech Flexible Packaging A Div	vision of Balcan Innova	tion Inc - T 1354			Updat	ed 12/09/20	21			
CVR	FOIL 1XBUBBLW FL	REFLECTIVE FOIL	FACED SINGLE MATERIAL	CLG WALL FLR	YES	YES	5.3	10.6	6.8	R	
CVR	FOIL 2XBUBBLE FL	REFLECTIVE FOIL	FACED SINGLE MATERIAL	CLG WALL FLR	YES	YES	5.3	10.6	6.8	R	
CVR	FR POLY1BUBBLE FL	REFLECTIVE FOIL	FACED SINGLE MATERIAL	CLG WALL FLR	NO	YES	5.3	10.6	6.8	R	
CVR	FR POLY2BUBBLE FL	REFLECTIVE FOIL	FACED SINGLE MATERIAL	CLG WALL FLR	NO	YES	5.3	10.6	6.8	R	

CVR = COVERTECH FABRICATING

	Environmentally Sa	afe Products Inc T 1281		Updated 04/06/2023							
ESP	HOUSEWRAP 4PFNS (1)	FOIL/PE FOAM/FOIL	COMPOSITE	WALL	NO	NO			4.00	R	
ESP	LOW-E 4LFLT (1, 2)	FOIL/PE FOAM/FOIL	COMPOSITE	CLG WALL FLR	YES	YES	7.55	11.00	7.75	R	
ESP	SLAB-SHIELD 4SFSB 4MSMB (3)	PE FM/FOIL/PE FM	COMPOSITE	FLOOR	NO	YES			1.40	R	
ESP	THERMA-SHEET (4)	FOIL/PE FOAM/FOIL	COMPOSITE	ROOF	NO	YES	4.00	9.00		R	

(1) = AVAILABLE in 4', 5', 6' widths

(2) = AVAILABLE with staple flange edges or EZ Seal edge

(3) = AVAILABLE in 4' widths only
(4) = When installed in systems without an airspace,
4LFLX (7/32") THERMA-SHEET has an R-Value of 1.03

* DESCRIPTION OF BRAND CODES:

ESP = ENVIRONMENTALLY SAFE PRODUCTS

	Fi-Foil (Company Inc T 1390		Updated 12/16/2022					
FFC	RBI SHIELD	REFLECTFOIL/FOIL	SYSTEM	CLG FLR	YES	YES	16.0		R
FFC	RBI SHIELD	REFLECTFOIL/WHITE	SYSTEM	CLG FLR	YES	YES	12.0		R

* DESCRIPTION OF BRAND CODES: FFC = FI-FOIL CO

	Innovativ	e Insulation Inc T 1408				Update	ed 06/14/200	8		
			IN 2X4" APPLICATIONS							
RXI	BP	BUBBLEPK/FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES	5.0	10.08	6.55	R
			IN 2X6" APPLICATIONS							
RXI	BP	BUBBLEPK/FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES	5.16	11.71	6.65	R

Insulation "R" is for the Reflectix plus enclosed air spaces on both sides of the product.

* DESCRIPTION OF BRAND CODES: RXI = REFLECTIX INC

			GS - THERMAL INSULAT							
					Designed for		Labeled Thermal Perfor-	Labeled Thermal	Labeled Thermal Perform-	
Brand					-	Acts as a Vapor		Perfor-mance Heatflow	ance Heatflow	
Code*	Product ID	Material	Туре	Primary Use	tions?	Retarder?	Up	Down	Level	C Value

	International Ins	ulation Products - T 1512		Updated 05/12/2020						
ESH	ESHIELD	REFLECTIVE FOIL	COMPOSITE	ROOF DECK	YES	YES		10.9		R
SCA	SOL-R-SKIN CLASS A	REFLECTIVE FOIL	COMPOSITE	ROOF DECK	YES	YES		5.5		R
SLE	SOLRECLIPSE	REFLECTIVE FOIL	COMPOSITE	ROOF DECK	YES	YES		10.7		R

ESH = INTERNATIONAL INSULATION PRODUCTS

SCA = INTERNATIONAL INSULATION PRODUCTS

SLE = INTERNATIONAL INSULATION PRODUCTS

	M-D Building Products Inc - T 1120					Updated 09/24/2024						
MD	02394	REFLECT FOIL/FM	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	0.12	0.40	R		
MD	02378	REFLECT FOIL/FM	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	0.12	0.40	R		

* DESCRIPTION OF BRAND CODES: MD = M-D BUILDING PRODUCTS

	Refle	ectix, Inc T 1543				Update	ed 12/16/2021	1		
RXI	BB060410V2	BUBBLE/METAL	EXTERIOR WRAP	DUCT WRAP	YES	YES			** 6.63	R
RXI	BB060410V3	BUBBLE/METAL	EXTERIOR WRAP	DUCT WRAP	YES	YES			*** 7.97	R
			IN 2X4" APPLICATIONS							
RXI	BP	BUBBLEPK/FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES	4.96	10.08	6.55	R
			IN 2X6" APPLICATIONS							
RXI	BP	BUBBLEPK/FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES	5.16	11.71	6.65	R
RXI	DW	BUBBLEPK/FOIL	EXTERIOR WRAP	DUCT WRAP	YES	YES			** 4.20	R
RXI	DW	BUBBLEPK/FOIL	EXTERIOR WRAP	DUCT WRAP	YES	YES			*** 6.40	R
RXI	LPW	BUBBLEPK/FOIL	SPIRAL PIPE WRAP	PIPE WRAP	YES	YES	NO R	R-VALUE CLAI	IMED	

Insulation "R" is for the Reflectix plus enclosed air spaces on both sides of the product.

** Total R-value of duct with Reflectix attached directly to the outside duct. Measured by maintaining a 30° temperature difference.

*** R-value of duct with Reflectix installed with 3/4" airspace measured to ASTM 335 at 75° mean.

			SS - THERMAL INSULAT							
					Designed for		Labeled Thermal Perfor-	Labeled Thermal	Labeled Thermal Perform-	
					Exposed	Acts as a	mance	Perfor-mance	ance	
Brand					Applica-	Vapor	Heatflow	Heatflow	Heatflow	R, K or
Code*	Product ID	Material	Туре	Primary Use	tions?	Retarder?	Up	Down	Level	C Value

* DESCRIPTION OF BRAND CODES: RXI = REFLECTIX INC

	Re	esisto - T 1469		Updated 09/13/2010							
AYR	AYRFOILM1M	REFLECTIVE FOIL	COMPOSITE	CLG WALL FLR	YES	YES	5.4	14.6	6.7	R	
AYR	AYRFOILM1V	REFLECTIVE FOIL	COMPOSITE	CLG WALL FLR	YES	YES	5.4	14.6	6.7	R	
AYR	AYRFOILM2M	REFLECTIVE FOIL	COMPOSITE	CLG WALL FLR	YES	YES	5.4	14.6	6.7	R	
AYR	AYRFOILM2V	REFLECTIVE FOIL	COMPOSITE	CLG WALL FLR	YES	YES	5.4	14.6	6.7	R	

* DESCRIPTION OF BRAND CODES:

AYR = AYR-FOIL

	R	BHGS - THERMAL INSU ADIANT BARRIER INSULATION MAN		E LABELS		
Brand Code*	Product ID	Material	Туре	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)
		Radiant B	arrier			
	Covertech Flexible	Packaging A Division of Balcan Innovatior	n Inc - T 1354	Up	dated 12/09/202	:1
CVR	NT RAD BARRIER RFOIL	REFLECTIVE FOIL	FACED SINGLE MATERIAL	CLG WALL FLR	YES	YES

CVR = COVERTECH FABRICATING

		Fi-Foil Company Inc T 1390		Updated 11/14/2023				
FFC	SILVERSHIELDRB	REFLECTIVE FOIL	SYSTEM	CEILING	YES	NO		
FFC	RADIANT SHIELD	REFLECTIVE METALLIZED FILM	SYSTEM	CEILING	YES	NO		
FFC	SKYFLEX	REFLECTIVE METALLIZED FILM (SOLID)	SYSTEM	CEILING	YES	YES		
FFC	RF SHIELD	REFLECTIVE FOIL	SYSTEM	WALL	YES	NO		
FFC	RF SHIELD	REFLECTIVE FOIL (SOLID)	SYSTEM	WALL	YES	YES		
RGX	RADIANTGUARD XTREME	REFLECTIVE METALLIZED FILM	SYSTEM	CEILING	YES	NO		

* DESCRIPTION OF BRAND CODES: FFC = FI-FOIL CO RGX = RADIANTGUARD XTREME

Innovative Insulation Inc T 1408 Updated 07/10/17						7
RXI	RADIANT BARRIER	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	NO
SPR	RADIANT BARRIER	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	NO
SPR	RADIANT BARRIER	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES

* DESCRIPTION OF BRAND CODES: RXI = REFLECTIX INC SPR = SUPER-R

Insul-Quilts, Inc T 1522			Upda	ted 10/21/202	20	
IQ	RBF	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
IQ	RBGB	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
IQ	RBS	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	NO

	R	BHGS - THERMAL INSUL ADIANT BARRIER INSULATION MAN		ELABELS		
						Acts as a
					Designed for	Vapor
Brand					Exposed	Retarder?
Code*	Product ID	Material	Туре	Primary Use	Applications?	(Class I / II)

IQ = Insul-Quilts Inc.

International Insulation Products - T 1512 Upd			ited 05/12/202	20		
SSC	SOL-R-SKIN COMPOSITE	REFLECTIVE FOIL	SYSTEM	ROOF DECK	YES	YES

* DESCRIPTION OF BRAND CODES:

SSC = INTERNATIONAL INSULATION PRODUCTS

		Upda	ated 03/29/20 [.]	18		
LAM	30J	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
LAM	FSKF	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
LAM	R-3035	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
LAM	WHITE FSKF	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
LAM	WMP-ASJ	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES

* DESCRIPTION OF BRAND CODES:

LAM = LAMTEC

	Service Partners LLC - T 1516				ted 11/05/202	20
AFS	ALUMA-FOIL HD	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	NO
AFS	ALUMA-FOIL PLUS	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	NO
AFS	ALUMA-FOIL RB	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES
AFS	FSKF/WHITE PW	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES

(PB = PAINTED BLACK) (PW = PAINTED WHITE)

* DESCRIPTION OF BRAND CODES: AFS = ADVANCED FOIL SYSTEMS

	BHGS - THERMAL INSULATION DIRECTORY FOAM & SPRAY INSULATION MANUFACTURERS									
Brand Code*	Product ID	Material	Туре	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)		R, K or C Value		
	C	cellulose Spray or Fie	ld Applied							
	Applegate Greenfiber Aquisition, LLC - T	1548			Updated 09	/15/2022				
CC	STABILIZED BLENDED	CELLULOSE	SINGLE MATERIAL	CEILING	NO	NO	3.70	R		
CC	STABILIZED BORATE	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R		
SANC	SANCTUARY	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R		

NOTE: The above product is not intended to be used in applications where it is exposed on the interior of walls and ceilings.

* DESCRIPTION OF BRAND CODES: CC = COCOON SANC = SANCTUARY

	Mountain Fiber Insulation Inc T 1405			Updated 03/19/2009				
MFI	758164000229	CELLULOSE	SINGLE MATERIAL	WALL	YES	NO	3.70	R

* DESCRIPTION OF BRAND CODES:

MFI = MOUNTAIN FIBER INSULATION

Mineral Fiber Spray or Field Applied								
Johns Manville - T 1039					Updated 0	5/18/2020		
JM	SPIDER PLUS	FIBER GLASS	SINGLE	WALL	NO	NO	4.0**	R
JM	SPIDER PLUS	FIBER GLASS	SINGLE	WALL	NO	NO	4.3***	R

* DESCRIPTION OF BRAND CODES:

JM = JOHNS MANVILLE

** = installed at a density of 1.5 lbs/ft^3

*** = installed at a density of 1.8 lbs/ft^3

	Polyurethane Spray or Field Applied									
	BASF Corporation - T 1153				Updated 1	0/01/2020				
BSF	AUTOFROTH 1704	URETHANE	SINGLE MATERIAL	WALL	NO	NO	0.15 **	K		
BSF	ELASTOPOR 19087	URETHANE	SINGLE MATERIAL	WALL	NO	NO	0.15 **	K		
BSF	ELASTOPOR 52210	URETHANE	SINGLE MATERIAL	WALL	NO	NO	0.15 **	K		
BSF	ELASTOPOR 52480	URETHANE	SINGLE MATERIAL	WALL	NO	NO	0.15 **	K		
BSF	ELASTOPOR 52490	URETHANE	SINGLE MATERIAL	WALL	NO	NO	0.15 **	К		

** = Initial K-Values

* DESCRIPTION OF BRAND CODES: BSF = BASF CORP.

			TION DIRECTOR						
Brand Code*	Product ID	Material	Туре	Primary Use	Labeled Acts as a Designed for Vapor Perform- Exposed Retarder? ance per R, Applications?				
	BASF Corporation (Spray-Applied PUF) - T 14	423			Updated 10	/29/2024			
BSF	ENERTITE G	URETHANE	SYSTEM	CLG WALL FLR	YES****	NO	3.90	R	
								-	
BSF	ENERTITE MAX	URETHANE	SYSTEM	CLG WALL FLR	YES****	NO	3.90	R	
BSF BSF	ENERTITE MAX ENERTITE X	URETHANE URETHANE	SYSTEM SYSTEM	CLG WALL FLR CLG WALL FLR	YES**** YES****	NO NO	3.90 4.10	R	
						_			
BSF	ENERTITE X	URETHANE	SYSTEM	CLG WALL FLR	YES****	NO	4.10	R	
BSF BSF	ENERTITE X SKYTITE C3 2.5	URETHANE	SYSTEM SYSTEM	CLG WALL FLR ROOF DECK	YES**** YES****	NO YES**	4.10 6.20	R R	
BSF BSF BSF	ENERTITE X SKYTITE C3 2.5 SKYTITE C3 2.8	URETHANE URETHANE URETHANE	SYSTEM SYSTEM SYSTEM	CLG WALL FLR ROOF DECK ROOF DECK	YES**** YES**** YES****	NO YES** YES**	4.10 6.20 6.20	R R R	
BSF BSF BSF BSF	ENERTITE X SKYTITE C3 2.5 SKYTITE C3 2.8 SKYTITE C3 3.0	URETHANE URETHANE URETHANE URETHANE	SYSTEM SYSTEM SYSTEM SYSTEM	CLG WALL FLR ROOF DECK ROOF DECK ROOF DECK	YES**** YES**** YES**** YES****	NO YES** YES** YES**	4.10 6.20 6.20 6.20	R R R R	

BSF = BASF CORP.

**-Permeance <1.0 Perm at thickness >= 1.0 in.

***-Permeance <1.0 Perm at thickness >= 1.5 in.

****-Per applicable code and testing

2013 California Building Code Sec. 2603.4.1 and Sec. 2603.1

2013 California Residential Code Sec. R316.5 and Sec. R316.6

ICC Evaluation Service Acceptance Criteria for Spray-applied Insulation (AC377), Appendix X

ICC 1100-2019 Standard for Spray-Applied Polyurethane Foam Plastic

	Carlisle Roof Foam and Coatings - T 1513							
ACC	SEALTITE PRO HFO	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	YES**	7.20	R
BAY	FOAMSULATE HFO 2.0	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	YES**	7.20	R
BAY	SEALTITE PRO OPEN CELL	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.90	R
PSP	FOAMSULATE 50	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
PSP	SEALTITE PRO NO MIX	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
QF	FOAMSULATE HY	URETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	NO	3.60	R
QF	FOAMSULATE OCX	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
QF	SEALTITE PRO OCX	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
QF	SEALTITE PRO HIGH YIELD	URETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	NO	3.60	R

**Materials have less than 1 perm at thickness greater than 1 inch for SEALTITE PRO HFO and FOAMSULATE HFO 2.0

* DESCRIPTION OF BRAND CODES: ACC = ACCELLA BAY = BAYSEAL

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PSP = PREMIUM SPRAY PRODUCTS
QF = QUADFOAM
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Creative Polymer Solutions, LLC T 1549					Updated 1	2/06/2022		
AFOC	ACCUFOAM™ OC	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	3.70	R
AFCC	ACCUFOAM™ CC-HFO	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	7.50	R
AFCR	ACCUFOAM™ CCR-HFO	URETHANE	COMPOSITE	ROOF DECK	NO	NO	7.00	R

* DESCRIPTION OF BRAND CODES:

	BHGS - THERMAL INSULATION DIRECTORY FOAM & SPRAY INSULATION MANUFACTURERS										
						Acts as a	Labeled Thermal				
					Designed for	Vapor	Perform-				
Brand					Exposed	Retarder?	ance per	R, K or			
Code*	Product ID	Material	Туре	Primary Use	Applications?	(Class I / II)	Inch	C Value			
	AFOC = ACCUFOAM™ OC										

AFCC = ACCUFOAM™ CC-HFO

AFCR = ACCUFOAM™ CCR-HFO

	DAP Global Inc T 1343				Updated 1	1/28/2023		
DGI	ALL-PURPOSE GF	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	5.40	R
DGI	ASGF 24OZ	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	5.40	R
DGI	BARRIER	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.10	R
DGI	BLACK - RV 24OZ	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	5.40	R
DGI	FOAMKIT 110/200/600/750/HVAC	URETHANE	COMPOSITE	CLG WALL FLR	NO	YES	6.60	R
DGI	FOAMKIT 300/1000/CP1200FR	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.10	R
DGI	GFII FIREBLOCK	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	5.40	R
DGI	HOMESEAL	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	5.40	R
DGI	MAXFILL-QC 12/24OZ	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.10	R
DGI	MOUSHIELD	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.10	R
DGI	NOWARP 12/16/20OZ	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	5.40	R
DGI	QC 10/16LB LGWP	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.10	R
DGI	REFILL 17/60/120GAL	URETHANE	COMPOSITE	CLG WALL FLR	NO	YES	6.20	R
DGI	W&C 20OZ, 10/20/23LB	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.10	R

* DESCRIPTION OF BRAND CODES: DGI = DAP GLOBAL INC.

	DuPont de Nemours Inc T 1536			Updated 04/21/2020						
FP	FROTH-PAK	URETHANE	SINGLE MATERIAL	CLG WALL FLR		NO	6.00	R		
PF	DOWGSP24OZ	URETHANE	SINGLE MATERIAL	CLG WALL FLR		NO	3.60	R		

* DESCRIPTION OF BRAND CODES:

FP = FROTH-PAK

PF = DOWGSP24OZ

	Franklin International - T 1525		Updated 1	0/03/2023				
TB	WEATHERMASTER X-TREME FIREBLOCK FOAM SEALANT	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.50	R
TB	WEATHERMASTER X-TREME MULTI-PURPOSE FOAM SEALANT	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.70	R
TB	WEATHERMASTER X-TREME WINDOW & DOOR FOAM SEALANT	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.70	R

* DESCRIPTION OF BRAND CODES:

TB= TITEBOND

		IERMAL INSULAT						
Brand Code*	Product ID	Material	Туре	Primary Use	Designed for Exposed Applications?		Labeled Thermal Perform- ance per Inch	R, K or C Value
	General Coatings Manufacturing Corporation	- T 1491			Updated 11	/14/2023		
ULT	ULTRA-THANE 050	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	3.90	R
ULT	ULTRA-THANE 205 HFO	URETHANE	COMPOSITE	CLG WALL FLR	NO	YES**	7.60	R
ULT	ULTRA-THANE 205 HFO HIGH LIFT	URETHANE	COMPOSITE	CLG WALL FLR	NO	YES**	7.90	R
ULT	ULTRA-THANE 230	URETHANE	COMPOSITE	CLG WALL FLR	NO	YES**	6.49	R
ULT	ULTRA-THANE 230	URETHANE	COMPOSITE	ROOF DECK	NO	NO	6.70	R
ULT	ULTRA-THANE 230 HFO	URETHANE	COMPOSITE	ROOF DECK	NO	NO	6.90	R
ULT	ULTRA-THANE OCX	URETHANE	COMPOSITE	CLG WALL FLR	YES	NO	4.10	R
UPC	UPC-500	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	3.90	R
UPC	UPC-500 OCX	URETHANE	COMPOSITE	CLG WALL FLR	YES	NO	4.10	R
UPC	UPC-2.0	URETHANE	COMPOSITE	CLG WALL FLR	NO	YES**	6.80	R
UPC	UPC 2.0 HFO	URETHANE	COMPOSITE	CLG WALL FLR	NO	YES**	7.60	R
UPC	UPC 2.0 HFO HIGH LIFT	URETHANE	COMPOSITE	CLG WALL FLR	NO	YES**	7.90	R

**AT A MINIMUM OF 1.8 INCHES THESE PRODUCTS HAVE A PERM RATING OF 1 OR LESS.

* DESCRIPTION OF BRAND CODES:

ULT = ULTRATHANE UPC = UNIVERSAL POLYMERS CORPORATION

	Green Shield Products, LLC T	1552			Updated 0	2/22/2024		
GSP	GREENSEAL 2.5 HFO	URETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.80	R
GSP	GREENSEAL 2.8 HFO	URETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.80	R
GSP	GREENSEAL 3.0 HFO	URETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.80	R

* DESCRIPTION OF BRAND CODES: GSP = GREEN SHIELD PRODUCTS

	Henry A Carlisle Company - T 122	8			Updated 0	2/20/2024		
ACC	PREMIR+ EVO 40	URETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.80	R
ACC	PREMIR+ EVO 60	URETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.80	R
ACC	PREMIR+ EVO 70	URETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.80	R

* DESCRIPTION OF BRAND CODES:

ACC = ACCELLA

	Huntsman Building Solutions USA	LLC - T 1499			Updated 04	4/18/2024		
APX	DEMILEC APX	URETHANE	SYSTEM	ROOF DECK	NO	YES	3.70	R
ECO	PROSEAL ECO	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	4.90	R
HLH	HEATLOK HFO PRO	URETHANE	SYSTEM	CLG WALL FLR	YES	YES	7.40	R
HLX	HEATLOK XT S	URETHANE	SYSTEM	CLG WALL FLR	YES	YES	6.70	R

			TION DIRECTORY	RS				
Brand Code*	Product ID	Material	Туре	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder? (Class I / II)		R, K or C Value
HLX	HEATLOK XT W	URETHANE	SYSTEM	CLG WALL FLR	YES	YES	6.90	R
HPL	HEATLOK PLUS	URETHANE	SYSTEM	CLG WALL FLR	YES	YES	6.80	R
IC7	ICYNENE CLASSIC 75	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	4.00	R
ICY	ICYNENE CLASSIC 45	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
IH8	ICYNENE HIGH-R 80	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	4.50	R
IHM	ICYNENE HFO MAX	URETHANE	SYSTEM	CLG WALL FLR	YES	YES	7.50	R
INM	ICYNENE OC NO-MIX	URETHANE	SYSTEM	WALL	NO	NO	3.80	R
IU5	ICYNENE ULTRA 50	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	3.81	R
IXS	ICYNENE XPRESS 55	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	3.66	R
LDR	CLASSIC ECO	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
LPI	FL 2000	URETHANE	SYSTEM	WALL	NO	YES	6.30	R
LPI	FL 2000-4G	URETHANE	SYSTEM	WALL	NO	YES	6.80	R
MAX	CLASSIC MAX	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
MDC	MDC-200	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	6.10	R
MDR	MDR-210	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	YES**	4.90	R
V3	PROSEAL	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	7.00	R

** AT 2.3 INCH THICKNESS

* DESCRIPTION OF BRAND CODES:	
APX = DEMILEC APX	INM = ICYNENE OC NO-MIX
ECO = PROSEAL ECO	IU5 = ICYNENE ULTRA 50
HLH = HEATLOK HFO	IXS = ICYNENE XPRESS
HLX = HEATLOK XT	LDR = ICYNENE LD-R
HPL = HEATLOK PLUS	LPI = LAPOLLA INDUSTRIES
IC7 = ICYNENE CLASSIC 75	MAX = CLASSIC MAX
ICY = ICYNENE CLASSIC 45	MDC = MDC
IH8 = ICYNENE HIGH-R 80	MDR = MDR
IHM = ICYNENE HFO MAX	V3 = PROSEAL

	ICP Building Solutions Group - T 1540				Updated 0	5/03/2023		
HF	CV HFO	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	6.40	R
HF	E84 HFO	URETHANE	SYSTEM	CLG WALL FLR	YES**	NO	6.10	R
HF	E84 LP	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	6.00	R
AP	FOAM SYSTEM	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	6.44	R
HF	FR HFO	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	6.44	R
HF	HC SEALANTS	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	4.70	R
HF	HIGH DENSITY	URETHANE	SYSTEM	ROOF PATCH	NO	NO	5.20	R
HF	HVLP LD 0.5	URETHANE	SYSTEM	CLG WALL FLR	YES****	NO	3.90	R
HF	HVLP MD 2.0	URETHANE	SYSTEM	CLG WALL FLR	YES****	YES***	6.90	R
HF	HVLP MD 2.0 HFO	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	7.20	R
HF	HVLP MDW 2.0 HFO	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	7.20	R
HF	HVLP HFO 2.0	URETHANE	SYSTEM	CLG WALL FLR	YES****	YES***	6.90	R

	BHGS - THERMAL INSULATION DIRECTORY FOAM & SPRAY INSULATION MANUFACTURERS								
						Acts as a	Labeled Thermal		
					Designed for	Vapor	Perform-		
Brand					Exposed	Retarder?	ance per	R, K or	
Code*	Product ID	Material	Туре	Primary Use	Applications?	(Class I / II)	Inch	C Value	
HF	LOW DENSITY LP	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	4.30	R	

HF = HANDI-FOAM AP = APOC

**-at Roof/Wall juncturres exposed at 2 inch thickness x 6 inch depthxunlimited length.

***-Permeance <1.0 Perm at thickness >= 1.5 in.

****-Per applicable code and testing

2013 California Building Code Sec. 2603.4.1 and Sec. 2603.1

2013 California Residentail Code Sec. R316.5 and Sec. R316.6

ICC Evaluation Service Acceptance Criteria for Spray-applied Insulation (AC377), Appendix X

	Johns Manville - T 1468				Updated 11/02/2023					
JMC	JM CORBOND HY OC SPF	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	3.60	R		
JMC	JM CORBOND IV	URETHANE	SYSTEM	CLG WALL FLR	YES*	YES	7.00	R		
JMC	JM CORBOND OC SPF	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	3.80	R		

* DESCRIPTION OF BRAND CODES: JMC = JMCCORBOND

* Does not need an ignition barrier in unoccupied attics or crawl spaces

	Natural Polymers LLC - T 1539					Updated 10/12/2021					
NT	NTO	URETHANE	SYSTEM	CLG WALL FLR	YES	NO	6.30	R			
NT	NT05	URETHANE	SYSTEM	CLG WALL FLR	YES	NO	3.70	R			
NT	NT05IB	URETHANE	SYSTEM	CLG WALL FLR	YES	NO	3.70	R			
NT	NT10	URETHANE	SYSTEM	CLG WALL FLR	YES	NO	4.90	R			
NT	NT20HFOIBW	URETHANE	SYSTEM	CLG WALL FLR	YES	NO	7.20	R			
NT	NTL	URETHANE	SYSTEM	CLG WALL FLR	YES	NO	3.70	R			

* DESCRIPTION OF BRAND CODES: NT=Natural-Therm

	NCFI Polyurethanes - T 1401			Updated 10/28/2021					
END	NCFI 10-011	POLYURETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.90	R	
END	NCFI 10-013	POLYURETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.80	R	
END	NCFI 10-016	POLYURETHANE	SINGLE MATERIAL	ROOF DECK	NO	YES	6.10	R	
INS	INSULSTAR	POLYURETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	YES	6.80	R	
INS	NCFI 11-016	POLYURETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	YES	6.40	R	
INS	NCFI 11-033	POLYURETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	YES	6.70	R	
INS	NCFI 11-036	POLYURETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	YES	6.90	R	
INS	NCFI 11-037	POLYURETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	YES	6.90	R	
SEA	NCFI 12-008	POLYURETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	NO	3.80	R	

	BHGS - THERMAL INSULATION DIRECTORY FOAM & SPRAY INSULATION MANUFACTURERS										
						A - to - o - o	Labeled				
					Designed for	Acts as a Vapor	Thermal Perform-				
Brand					-	Retarder?		R, K or			
Code*	Product ID	Material	Туре	Primary Use	Applications?	(Class I / II)	Inch	C Value			
T/I	INSULBLOC	POLYURETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	YES	6.40	R			

END = ENDURATECH SEA = SEALITE

INS = INSULSTAR T/I = THERMALSTOP/INSULBLOC

	Polyglass USA - T 1529				Updated 1	1/14/2023		
PPF	POLYPUF H-1	URETHANE	COMPOSITE	ROOF DECK	NO	NO	6.90	R
PPF	POLYPUF RG	URETHANE	COMPOSITE	ROOF DECK	NO	NO	6.62	R

* DESCRIPTION OF BRAND CODES:

PPF = POLYPUF RG

	Quadrant Performance Materials, LLC - T 1553				Updated 12/12/2024					
QPOC	ENVIROSEAL OC PLATINUM	URETHANE	SYSTEM	CLG WALL FLR	NO	YES	3.80	R		
QPOX	ENVIROSEAL OCX PLATINUM	URETHANE	SYSTEM	CLG WALL FLR	NO	YES	3.70	R		
QPCC	ENVIROSEAL CC PLATINUM MAX	URETHANE	SYSTEM	CLG WALL FLR	YES	NO	7.20	R		

* DESCRIPTION OF BRAND CODES:

QPOC: QUADRANT PERFORMANCE OPEN CELL QPOX: QUADRANT PERFORMANCE OPEN CELL X QPCC: QUADRANT PERFORMANCE CLOSED CELL

	Rhino Linings Corporation - T 1490				Updated 11/22/2023				
TGC	THERMAL GUARD CC2 ECO	URETHANE	SINGLE	CLG WALL FLR	NO	YES	6.00	R	
TGO	THERMAL GUARD OC 1	URETHANE	SINGLE	CLG WALL FLR	NO	YES	4.70	R	
TGO	THERMAL GUARD OC 500	URETHANE	SINGLE	CLG WALL FLR	NO	YES	3.50	R	

* DESCRIPTION OF BRAND CODES:

TGC = THERMAL GUARD CLOSED CELL

TGO = THERMAL GUARD OPEN CELL

	SWD Urethane Company - T 1031					2/28/2021		
SWD	QUIK-SHIELD 100X	URETHANE	SINGLE MATERIAL	CLG WALL FLR		NO	3.70	R
SWD	QUIK-SHIELD 104EZ	URETHANE	SINGLE MATERIAL	CLG WALL FLR		NO	3.90	R
SWD	QUIK-SHIELD 106	URETHANE	SINGLE MATERIAL	CLG WALL FLR		NO	3.70	R
SWD	QUIK-SHIELD 108	URETHANE	SINGLE MATERIAL	CLG WALL FLR		NO	3.60	R
SWD	QUIK-SHIELD 144	URETHANE	SINGLE MATERIAL	CLG WALL FLR		YES	7.50	R
SWD	QUIK-SHIELD 155	URETHANE	SINGLE MATERIAL	ROOF DECK		NO	5.00	R

	BHGS - THERMAL INSULATION DIRECTORY FOAM & SPRAY INSULATION MANUFACTURERS										
	Labeled Acts as a Thermal										
					Designed for	Vapor	Perform-				
Brand					Exposed	Retarder?	ance per	R, K or			
Code*	Product ID	Material	Туре	Primary Use	Applications?	(Class I / II)	Inch	C Value			

SWD = SOUTHWEST DISTRIBUTING

	Tiger Foam Insulation - T 1528				Updated 06/29/2021				
TF	TIGERFOAM FAST RISE	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	6.00	R	
TF	TIGERFOAM OPEN CELL	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	4.30	R	
TF	TIGERFOAM QUICK CURE	URETHANE	COMPOSITE	CLG WALL FLR	NO	NO	6.00	R	

* DESCRIPTION OF BRAND CODES: TF = TIGERFOAM

	BHGS - THERMAL INSULATION DIRECTORY LOOSE FILL INSULATION MANUFACTURERS/PRIVATE LABELS										
Brand Code*	Product ID Material Type Primary Use Applications? II) Foot per Inch										
			Cellulose Fiber Loos	e Fill							
	Applegate Greenfiber Aquisition	on, LLC - T 1548			Update	ed 09/24/202	24				
APP	02-APPLEGATE BORA SPRAY	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	1.50	3.50	R		
APP	04-APPLE LOOSEFILL	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	1.50	3.50	R		
APP	05-APPLE STABILIZED	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	1.60	3.60	R		
APP	18-T.A.P.	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	1.70	3.60	R		
SP	SANCTUARY DEFENSE	CELLULOSE	SINGLE MATERIAL	CLG	NO	NO	1.50	3.70	R		
SANC	NC SANCTUARY CELLULOSE SINGLE MATERIAL CLG WALL FLR NO YES 1.50 3.70 R										

* DESCRIPTION OF BRAND CODES: APP = APPLEGATE INSULATION SYSTEMS, LLC SP = SUPREME PLUS SANC = SANCTUARY

	Mountain Fiber Insulation Inc T 1405				Updated 3/19/2009					
MFI	758164000441	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	YES	NO	1.60	3.70	R	

* DESCRIPTION OF BRAND CODES: MFI = MOUNTAIN FIBER INSULATION

			Mineral Fiber Loose I	Fill							
	Certainteed Corpor	ation - T 1023		Updated 10/20/2024							
CT	INSULSAFE SP	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.47	2.55	R		
CT	INSULSAFE SP	FIBER GLASS	SINGLE MATERIAL	WALL FLR	NO	NO	1.60	4.00	R		
CT	INSULSAFE SP	FIBER GLASS	SINGLE MATERIAL	WALL FLR	NO	NO	2.30	4.24	R		
СТ	OPTIMA	FIBER GLASS	SINGLE MATERIAL	WALL	NO	NO	1.60	4.06	R		
СТ	OPTIMA	FIBER GLASS	SINGLE MATERIAL	WALL FLR	NO	NO	1.80	4.20	R		
CT	ULTRATHERM	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.60	2.35	R		
CT	ULTRATHERM S&R	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	1.00	2.80	R		

* DESCRIPTION OF BRAND CODES:

CT = CERTAINTEED

	BHGS - THERMAL INSULATION DIRECTORY LOOSE FILL INSULATION MANUFACTURERS/PRIVATE LABELS													
Brand Code*	Product ID													
	Johns Manville - T	1039			Update	ed 10/28/202	21							
JM	ATTIC PROTECTOR	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.38	2.42	R					
JM	B-770 HIGH DENSITY BLOWING WOOL	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.97	2.29	R					
JM	CLIMATE PRO BW	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.41	2.78	R					
JM	CLIMATE PRO MH	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.87	3.53	R					

JM = JOHNS MANVILLE

	Knauf Insulation -	Updated 01/07/2021							
KNF	BROWN LABEL	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.55	2.40	R
KNF	ECOFILL WX	FIBER GLASS	SINGLE MATERIAL	WALL	NO	NO	2.00	4.20	R
KNF	ECOFILL WX	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.51	2.89	R
KNF	JETSPRAY THERMAL	FIBER GLASS	SINGLE MATERIAL	WALL	NO	NO	2.00	4.00	R
KNF	JET STREAM ULTRA	FIBER GLASS	SINGLE MATERIAL	WALL	NO	NO	1.80	4.20	R
KNF	JET STREAM ULTRA	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.51	2.89	R
KNF	MANUFACTURED HOUSING BW	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.54	2.96	R
KNF	SUPERCUBE	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.52	2.40	R

* DESCRIPTION OF BRAND CODES: KNF = KNAUF INSULATION

	Owens Corning Insulating	Updated 08/09/2018							
FG	ATTICAT BLOWN-IN	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.48	2.86	R
FG	PROCAT BLOWN-IN	FIBER GLASS	SINGLE MATERIAL	CEILING/WALL	YES	NO	0.48	2.86	R
FG	PROPINK	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.48	2.86	R
FG	PROPINK	FIBER GLASS	SINGLE MATERIAL	WALL	YES	NO	1.30	4.00	R
FG	PROPINK	FIBER GLASS	SINGLE MATERIAL	WALL	YES	NO	1.80	4.36	R
FG	PROPINK	FIBER GLASS	SINGLE MATERIAL	ROOF	YES	NO	1.30	4.00	R
FG	THERMAGLAS LF	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.68	2.55	R

* DESCRIPTION OF BRAND CODES: FG = FIBERGLAS

			S - THERMAL INSULATIO VATER HEATER, DUCT, P INSULATION MANUFAC	IPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
		Mineral	Fiber Water Heater, Duct & F	Pipe Wrap						
	Certainteed Corpo	ration - T 1023				Updated	d 10/20/2024			
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	EQUIP/PIPES	YES	YES	1.00	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	EQUIP/PIPES	YES	YES	1.50	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	EQUIP/PIPES	YES	YES	2.00	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	EQUIP/PIPES	YES	YES	2.50	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	EQUIP/PIPES	YES	YES	3.00	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	EQUIP/PIPES	YES	YES	3.50	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	EQUIP/PIPES	YES	YES	4.00	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	FSP	EQUIP/PIPES	YES	YES	1.00	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	FSP	EQUIP/PIPES	YES	YES	1.50	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	FSP	EQUIP/PIPES	YES	YES	2.00	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	FSP	EQUIP/PIPES	YES	YES	2.50	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	FSP	EQUIP/PIPES	YES	YES	3.00	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	FSP	EQUIP/PIPES	YES	YES	3.50	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	FSP	EQUIP/PIPES	YES	YES	4.00	0.26	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS PIPES	YES	YES	1.00	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS PIPES	YES	YES	1.50	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS PIPES	YES	YES	2.00	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS PIPES	YES	YES	2.50	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS PIPES	YES	YES	3.00	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS PIPES	YES	YES	3.50	0.24	K
CT	CRIMPWRAP	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL	METAL PAPER	DUCTS PIPES	YES	YES YES	4.00	0.24	K K
CT CT	CRIMPWRAP CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	DUCTS PIPES DUCTS PIPES	YES YES	YES	1.50	0.24	K K
CT			FACED SINGLE MATERIAL	PAPER		YES	YES	2.00	0.24	
CT	CRIMPWRAP CRIMPWRAP	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PAPER	DUCTS PIPES DUCTS PIPES	YES	YES	2.00	0.24	K K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	DUCTS PIPES	YES	YES	3.00	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	DUCTS PIPES	YES	YES	3.50	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	DUCTS PIPES	YES	YES	4.00	0.24	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	DUCTS PIPES	YES	YES	1.00	0.24	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	DUCTS PIPES	YES	YES	1.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	DUCTS PIPES	YES	YES	2.00	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	DUCTS PIPES	YES	YES	2.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	DUCTS PIPES	YES	YES	3.00	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	DUCTS PIPES	YES	YES	3.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	ASJ	DUCTS PIPES	YES	YES	4.00	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS PIPES	YES	YES	1.00	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS PIPES	YES	YES	1.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS PIPES	YES	YES	2.00	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS PIPES	YES	YES	2.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS PIPES	YES	YES	3.00	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS PIPES	YES	YES	3.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS PIPES	YES	YES	4.00	0.25	K

			S - THERMAL INSULATIO NATER HEATER, DUCT, P INSULATION MANUFAC	IPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
СТ	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	1.00	0.25	К
СТ	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	1.50	0.25	K
СТ	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	2.00	0.25	K
СТ	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	2.50	0.25	K
СТ	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	3.00	0.25	К
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	3.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	4.00	0.25	K
CT	DUCT WRAP-75	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	1.50	4.20	R
CT	DUCT WRAP-75	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	2.00	5.70	R
CT	DUCT WRAP-75	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	2.125	6.00	R
CT	DUCT WRAP-75	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	2.25	6.50	R
CT	DUCT WRAP-75	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	2.50	7.10	R
CT	DUCT WRAP-75	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	3.00	8.00	R
CT	DUCT WRAP-75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.20	R
CT	DUCT WRAP-75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	5.70	R
CT	DUCT WRAP-75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	6.50	R
CT	DUCT WRAP-75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.23	7.10	R
CT	DUCT WRAP-75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	3.00	8.00	R
CT	DUCT WRAP-75	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.20	R
CT	DUCT WRAP-75	FIBER GLASS	VINTE FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	<u>4.20</u> 5.70	R
CT	DUCT WRAP-75	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	6.00	R
CT	DUCT WRAP-75 DUCT WRAP-75	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.125	6.50	R
CT	DUCT WRAP-75	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.50	7.10	R
CT	DUCT WRAP-75	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	3.00	8.00	R
CT	DUCT WRAP-100	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	1.00	3.00	R
CT	DUCT WRAP-100	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	1.50	4.50	R
CT	DUCT WRAP-100	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	2.00	6.10	R
CT	DUCT WRAP-100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	3.00	R
CT	DUCT WRAP-100 DUCT WRAP-100	FIBER GLASS FIBER GLASS	SINGLE MATERIAL	NONE NONE	DUCTS	NO	NO NO	1.50 2.00	4.50	R
CT CT	DUCT WRAP-100 DUCT WRAP-100	FIBER GLASS	SINGLE MATERIAL VINYL FCD SGL MATERIAL	PLASTIC	DUCTS DUCTS	NO YES	YES	2.00	6.10 3.00	R R
CT	DUCT WRAP-100 DUCT WRAP-100	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.50	R
CT	DUCT WRAP-100	FIBER GLASS	VINTET OD SGE MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	6.10	R
CT	DUCT WRAP-100 DUCT WRAP-150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	1.50	3.20	R
CT	DUCT WRAP-150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	1.50	4.80	R
CT	DUCT WRAP-150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	2.00	6.40	R
CT	DUCT WRAP-150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.00	3.20	R
CT	DUCT WRAP-150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.80	R
СТ	DUCT WRAP-150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	6.40	R
CT	DUCT WRAP-150	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	1.00	3.20	R
CT	DUCT WRAP-150	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.80	R
CT	DUCT WRAP-150	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	6.40	R
CT	TOUGHGARD R DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	2.10	R
CT	TOUGHGARD R DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	4.20	R
CT	TOUGHGARD R DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.50	6.30	R

BHGS - THERMAL INSULATION DIRECTORY WATER HEATER, DUCT, PIPE WRAP INSULATION MANUFACTURERS											
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value	
СТ	TOUGHGARD R DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	8.30	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.24	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.26	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	2.00	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	2.10	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.24	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.27	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.28	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	4.00	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	4.20	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	4.40	R	
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.50	0.24	K	
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.50	0.27	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.50	0.28	K	
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.50	6.00	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.50	6.30	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.24	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.27	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.28	K	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	8.00	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	8.30	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.56	2.10	R	
СТ	TOUGHGARD T DUCT LINER	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.20	4.20	R	

* DESCRIPTION OF BRAND CODES: CT = CERTAINTEED

	Johns Man	ville - T 1039				Update	d 09/14/2021			
JM	DIFFUSER BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	4.30	R
JM	DIFFUSER BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.38	6.00	R
JM	DIFFUSER BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.00	4.30	R
JM	DIFFUSER BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.38	6.00	R
JM	DUCT LINER PM	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	2.20	R
JM	DUCT LINER PM	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	4.20	R
JM	DUCT LINER PM	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	6.30	R
JM	DUCT LINER PM	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	8.00	R
JM	FITTING FAB BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.00	4.30	R
JM	FITTING FAB BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.50	6.50	R
JM	FITTING FAB BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	2.00	8.70	R
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.26	K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.26	K

	BHGS - THERMAL INSULATION DIRECTORY WATER HEATER, DUCT, PIPE WRAP INSULATION MANUFACTURERS									
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	2.20	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	4.20	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	6.30	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	8.00	R
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	3.00	12.00	R
JM	LINACOUSTIC RC-HP	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	4.30	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	2.20	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	4.20	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	6.30	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	8.00	R
JM	LINACOUSTIC RC-IG	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	3.00	12.00	R
JM	LINACOUSTIC R-300	FIBER GLASS	FACED SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	4.30	R
JM	LINACOUSTIC R-300	FIBER GLASS	FACED SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	6.30	R
JM	LINACOUSTIC R-300	FIBER GLASS	FACED SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	8.70	R
JM	LINACOUSTIC R-300	FIBER GLASS	FACED SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	13.00	R
JM	LINACOUSTIC R-300	FIBER GLASS	FACED SINGLE MATERIAL	NONE	DUCTS	YES	NO	4.00	17.40	R
JM	MAD BD 475	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.00	4.30	R
JM	MAD BD 800	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.50	6.50	R
JM	MAD BD 800	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	2.00	8.70	R
JM	MADSPIRA	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.23	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	1.00	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	1.50	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.00	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.50	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	3.00	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	3.50	0.24	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	4.00	0.24	K
JM	MICRO-LOK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	0.50	0.25	K
JM	MICRO-LOK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.00	0.25	K
JM	MICRO-LOK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.50	0.25	K
JM	MICRO-LOK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.00	0.25	K
JM	MICRO-LOK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.50	0.25	K
JM	MICRO-LOK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.00	0.25	K
JM	MICRO-LOK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.50	0.25	K
JM	MICRO-LOK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	4.00	0.25	K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	0.50	0.25	K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.00	0.25	K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.50	0.25	K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.00	0.25	K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.50	0.25	K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.00	0.25	K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.50	0.25	K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	4.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.00	0.24	K

	BHGS - THERMAL INSULATION DIRECTORY WATER HEATER, DUCT, PIPE WRAP INSULATION MANUFACTURERS									
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.50	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.00	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.50	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.00	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	4.00	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	0.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	0.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	4.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	4.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	5.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	1.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	1.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	2.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	2.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	3.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	3.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	4.00	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	4.50	0.25	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	YES	5.00	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES YES	0.38	0.29	к К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES		0.38	0.31	
JM	MICROLITE	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES YES	0.50	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50		K
JM	MICROLITE	FIBER GLASS		MTL/PLAS MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.25	к к
JM	MICROLITE		FACED SINGLE MATERIAL		EQUIP/DUCTS	YES	YES			K K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.29	
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES			0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.23	K

			S - THERMAL INSULATIO WATER HEATER, DUCT, F INSULATION MANUFAC	PIPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.31	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.27	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.29	K

			S - THERMAL INSULATIO VATER HEATER, DUCT, P INSULATION MANUFAC	IPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.27	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.27	К
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.31	К
JM	MINWOOL®-1200 PIPE	MINERAL WOOL	SINGLE MATERIAL	NONE	PIPE	NO	NO	1.50	0.23**	K
JM	MINWOOL®-1200 PIPE	MINERAL WOOL	SINGLE MATERIAL	NONE	PIPE	NO	NO	2.50	0.23**	К
JM	MINWOOL®-1200 PIPE	MINERAL WOOL	SINGLE MATERIAL	NONE	PIPE	NO	NO	3.00	0.23**	K
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	1.50	4.20	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	2.00	5.60	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	2.20	6.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	3.00	8.30	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	4.40	12.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	5.75	16.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 75	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	7.00	19.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 100	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	1.50	5.60	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 100	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	2.00	7.40	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 150	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	1.50	6.00	R
JM	MICROLITE FSK/PSK DUCT WRAP TYPE 150	FIBER GLASS	FACED SINGLE MATERIAL	FSK/PSK	DUCTS	YES	YES	2.00	8.00	R
JM	MICROLITE STANDARD DUCT WRAP TYPE 60	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.31	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 60	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.31	К
JM	MICROLITE STANDARD DUCT WRAP TYPE 60	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.20	0.31	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 60	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.31	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.29	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.29	К
JM	MICROLITE STANDARD DUCT WRAP TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.20	0.29	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.29	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.27	К
JM	MICROLITE STANDARD DUCT WRAP TYPE 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.27	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.25	K
JM	MICROLITE STANDARD DUCT WRAP TYPE 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.25	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.24	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.24	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.24	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.24	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.24	K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.24	K
JM	PIPE WRAP	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	PIPES	YES	YES	0.50	1.80	R
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.22	K

			6 - THERMAL INSULATIO VATER HEATER, DUCT, I INSULATION MANUFAO	PIPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.22	К
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.22	K
JM	SG SERIES SPIN-GLAS SG22	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.22	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.23	К
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.23	K
JM	SG SERIES SPIN-GLAS SG23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.23	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.24	K
JM	SG SERIES SPIN-GLAS SG24	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.24	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.25	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.25	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.25	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.25	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.25	К
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.25	K
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.25	К
JM	SG SERIES SPIN-GLAS SG25	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.25	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.26	K
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.26	К
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.26	К
JM	SG SERIES SPIN-GLAS SG26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.26	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.27	К
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.27	К
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.27	К
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.27	K
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.27	К
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.27	К
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.27	К
JM	SG SERIES SPIN-GLAS SG28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.27	К

			6 - THERMAL INSULATIO /ATER HEATER, DUCT, F INSULATION MANUFAC	PIPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.30	К
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.30	К
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.30	К
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.30	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.30	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.30	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.30	K
JM	SG SERIES SPIN-GLAS SG30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.30	К
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.32	К
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.32	К
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.32	К
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.32	К
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.32	К
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.32	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.34	К
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.34	К
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.34	K
JM	SG SERIES SPIN-GLAS SG34	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.34	К
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.02 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.26	К
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.02 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.26	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.02 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.26	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.02 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.26	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.02 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.26	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.02 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.26	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.02 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.26	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.26 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.26 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.24	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.26 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.24	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.26 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.24	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.26 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.24	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.76 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.76 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.76 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 2.00 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.22	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 2.00 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.22	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 2.00 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.22	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 2.50 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.22	K
JM	SPIN-GLAS WH XG / RANGE-GLAS XG - 2.50 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.22	K

			S - THERMAL INSULATIO VATER HEATER, DUCT, P INSULATION MANUFAC	IPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
JM	SPIRACOUSTIC PLUS	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.00	4.30	R
JM	SPIRACOUSTIC PLUS	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.50	6.50	R
JM	SPIRACOUSTIC PLUS	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	2.00	8.70	R
JM	SPIRAL SG 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.30	K
JM	SPIRAL SG 76	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.30	K
JM	SPIRAL SG 85	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.27	K
JM	SPIRAL SG 85	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.27	K
JM	SPIRAL SG 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.26	K
JM	SPIRAL SG 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.26	К
JM	SPIRAL SG 125	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.25	K
JM	SPIRAL SG 125	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.25	K
JM	SPIRAL SG 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.24	К
JM	SPIRAL SG 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.24	K
JM	SUPERDUCT 475	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.00	4.30	R
JM	SUPERDUCT 800	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	1.50	6.50	R
JM	SUPERDUCT 800	FIBER GLASS	FACED SINGLE MATERIAL	FSK	DUCTS	YES	YES	2.00	8.70	R
JM	ZESTON HI-LO INSULATION INSERTS	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.00	0.26	K

** @100F

* DESCRIPTION OF BRAND CODES: JM = JOHNS MANVILLE

	Knauf Insula	tion - T 1002				Updated	10/28/2024			
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	0.50	0.23	K
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	1.00	0.23	К
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	1.50	0.23	К
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	2.00	0.23	K
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	2.50	0.23	К
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	3.00	0.23	K
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	3.50	0.23	К
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	4.00	0.23	К
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	4.50	0.23	K
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	5.00	0.23	К
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	5.50	0.23	К
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	6.00	0.23	K
KNF	ALLEY WRAP FCD .75 PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.20	R
KNF	ALLEY WRAP FCD .75 PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	5.60	R
KNF	ALLEY WRAP FCD .75 PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.50	7.00	R
KNF	ALLEY WRAP FCD .75 PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.00	8.40	R
KNF	ALLEY WRAP FCD 1.0 PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.50	R
KNF	ALLEY WRAP FCD 1.0 PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	6.00	R
KNF	ALLEY WRAP FCD 1.5 PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.80	R
KNF	ALLEY WRAP FCD 1.5 PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	6.40	R

			S - THERMAL INSULATIO VATER HEATER, DUCT, P INSULATION MANUFAC	IPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
KNF	ALLEY WRAP PLN .75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.20	R
KNF	ALLEY WRAP PLN .75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.60	R
KNF	ALLEY WRAP PLN 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.50	R
KNF	ALLEY WRAP PLN 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	6.00	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.20	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	5.60	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.19	6.00	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.50	7.00	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.00	8.40	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.20	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	5.60	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	3.00	8.40	R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.50	R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	6.00	R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.50	R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	6.00	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	3.20	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.80	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	6.40	R
KNF KNF	DTWP FCD 1.5PCF DTWP FCD 1.5PCF	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	PLASTIC PLASTIC	DUCTS DUCTS	YES YES	YES YES	1.50 2.00	4.80 6.40	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.80	R R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.20	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.60	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	6.00	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.13	7.00	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	7.00	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	8.40	R
KNF	DTWP PLN 1.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.50	R
KNF	DTWP PLN 1.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	6.00	R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.20	R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	5.60	R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	3.00	8.40	R
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	0.50	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	1.00	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	1.50	0.23	К
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	2.00	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	2.50	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	3.00	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	3.50	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	4.00	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	4.50	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	5.00	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	5.50	0.23	K
KNF	EARTHWOOL 1000°	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	6.00	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	0.50	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	1.00	0.23	K

			S - THERMAL INSULATIO VATER HEATER, DUCT, P INSULATION MANUFAC	IPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	1.50	0.23	К
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	2.00	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	2.50	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	3.00	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	3.50	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	4.00	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	4.50	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	5.00	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	5.50	0.23	K
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	6.00	0.23	К

* DESCRIPTION OF BRAND CODES: KNF = KNAUF INSULATION

	M-D Building	Products Inc - T 1120				Updated	11/19/2024			
MD	04929	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	0.50	1.70	R
MD	04937	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	0.50	1.70	R

* DESCRIPTION OF BRAND CODES: MD = M-D BUILDING PRODUCTS

	Owens Corning Insulat	ing Systems LLC - T 142	8			Updated	d 09/28/2018			
FG	COMML WRAP T 75	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.20	R
FG	COMML WRAP T 75	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	5.60	R
FG	COMML WRAP T 75	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.00	8.30	R
FG	COMML WRAP T 100	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.50	R
FG	COMML WRAP T 100	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	6.00	R
FG	COMML WRAP T 150	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.80	R
FG	COMML WRAP T 150	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	6.40	R
FG	DUCTWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.20	R
FG	DUCTWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	5.60	R
FG	DUCTWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.20	6.00	R
FG	DUCTWRAP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.00	8.30	R
FG	FDM TYPE-PFT	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.00	0.29	K
FG	FDM TYPE-PFT	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.25	0.29	К
FG	FDM TYPE-PFT	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	0.29	K
FG	FDM TYPE-PFT	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.75	0.29	K
FG	FDM TYPE-PFT	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	0.29	К
FG	FDM TYPE-PFT	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.25	0.29	K
FG	FDM TYPE-PFT	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.50	0.29	К
FG	FLEXWRAP-FRK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.00	0.23	К
FG	FLEXWRAP-FRK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.50	0.23	K
FG	FLEXWRAP-FRK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	2.00	0.23	K
FG	FLEXWRAP-FRK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	2.50	0.23	К
FG	FLEXWRAP-FRK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	3.00	0.23	K

			S - THERMAL INSULATIO VATER HEATER, DUCT, P INSULATION MANUFAC	PIPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
FG	FLEXWRAP-PSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.00	0.23	К
FG	FLEXWRAP-PSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.50	0.23	K
FG	FLEXWRAP-PSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	2.00	0.23	K
FG	FLEXWRAP-PSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	2.50	0.23	K
FG	FLEXWRAP-PSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	3.00	0.23	K
FG	PIPE AND TANK - ASJ	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	0.50	0.26	K
FG	PIPE AND TANK - ASJ	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.00	0.26	K
FG	PIPE AND TANK - ASJ	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.50	0.26	K
FG	PIPE AND TANK - ASJ	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	2.00	0.26	K
FG	PIPE AND TANK - ASJ	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	2.50	0.26	К
FG	PIPE AND TANK - ASJ	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	3.00	0.26	K
FG	PIPE AND TANK - ASJ	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	3.50	0.26	K
FG	PIPE AND TANK - ASJ MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	0.50	0.26	K
FG	PIPE AND TANK - ASJ MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.00	0.26	K
FG	PIPE AND TANK - ASJ MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.50	0.26	K
FG	PIPE AND TANK - ASJ MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	2.00	0.26	K
FG	PIPE AND TANK - ASJ MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	2.50	0.26	K
FG	PIPE AND TANK - ASJ MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	3.00	0.26	K
FG	PIPE AND TANK - ASJ MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	3.50	0.26	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	0.50	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.00	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.50	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.00	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.50	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.00	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.50	0.25	K
FG FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR MTL/PPR	PIPES PIPES	YES YES	YES YES	4.00	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR MTL/PPR	PIPES	YES	YES	4.50 5.00	0.25	к к
FG	PIPE INSUL -ASJ MAX-SSL MAX PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL FACED SINGLE MATERIAL	MTL/PPR MTL/PPR	PIPES	YES	YES	5.50	0.25	ĸ
FG	PIPE INSUL -ASJ MAX-SSL MAX PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	6.00	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	0.50	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.00	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.50	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.00	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.50	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.00	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.50	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	4.00	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	4.50	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	5.00	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	5.50	0.25	K
FG	PIPE INSUL -NO WRAP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	6.00	0.25	K
FG	R-4.3 WATER HTR	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	YES	1.25	4.30	R
FG	R-4.8 WATER HTR	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	YES	1.50	4.80	R
FG	R-6.9 WATER HTR	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	YES	2.00	6.90	R
FG	U DUCT WRAP T 50	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	3.60	R

			S - THERMAL INSULATIO VATER HEATER, DUCT, P INSULATION MANUFAC	IPE WRAP	RY					
Brand Code	Product ID	Material	Туре	Facing	Primary Use	Designed for Exposed Applica- tions?	Acts as a Vapor Retarder? (Class I / II)	Labeled Product Thickness Inches	Labeled Thermal Perform- ance	R, K or C Value
FG	U DUCT WRAP T 50	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	4.80	R
FG	U DUCT WRAP T 50	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	7.30	R
FG	U DUCT WRAP T 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.60	R
FG	U DUCT WRAP T 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	3.90	R
FG	U DUCT WRAP T 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.20	R
FG	U DUCT WRAP T 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	7.80	R
FG	U DUCT WRAP T100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.80	R
FG	U DUCT WRAP T100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.20	R
FG	U DUCT WRAP T100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.60	R
FG	U DUCT WRAP T150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	3.00	R
FG	U DUCT WRAP T150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.50	R
FG	WATER HEATER TOP	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	YES	2.00		
FG	WTRHTRKIT-CAL ED	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	YES	1.75	5.60	R
FG	WTRHTRKIT-R 5.2	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	YES	1.50	5.20	R
FG	WTRHTRKIT R 6.4	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	YES	2.00	6.40	R
FG	WTRHTRKIT R 12	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	YES	4.00	12.00	R

* DESCRIPTION OF BRAND CODES: FG = FIBERGLAS

		Silvercote - T 1557				Updated	06/30/2023			
GBP	WATER HEATER	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	NO	2.00	0.31	K
GBP	WATER HEATER	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WTR HTR	YES	NO	3.00	0.30	K

* DESCRIPTION OF BRAND CODES: GBP = GBP SILVERCOTE

		Polyisocya	anurate Water Heater, Duct &	k Pipe Wrap						
	Johns Manvi	lle - T 1341				Update	d 01/14/2021			
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	EQUIP/DUCT	NO	YES	0.50	2.70	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	EQUIP/DUCT	NO	YES	1.00	6.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	EQUIP/DUCT	NO	YES	1.50	9.30	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	EQUIP/DUCT	NO	YES	2.00	13.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	EQUIP/DUCT	NO	YES	2.50	16.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	EQUIP/DUCT	NO	YES	3.00	19.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	EQUIP/DUCT	NO	YES	3.50	22.00	R
JM	XSPECT® ISOFOAM APF BOARD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	EQUIP/DUCT	NO	YES	4.00	26.00	R

* DESCRIPTION OF BRAND CODES: JM = JOHNS MANVILLE