

**State of California
Department of Consumer Affairs**

January 2024

**DIRECTORY OF
CERTIFIED
INSULATION
MATERIALS**



**Sorted By
TYPE
and
MANUFACTURER**

Bureau of Household Goods And Services

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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:

https://bhgs.dca.ca.gov/consumers/ti_directory.pdf

Insulation laws and regulations:

https://bhgs.dca.ca.gov/laws/insulation_regs.pdf

The regulations are also available on the Building Standards Commission's website at:

<https://www.dgs.ca.gov/BSC/Codes>

EXPLANATION OF INFORMATION IN THE DIRECTORY

The following information is included in this directory:

1. Form

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
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
Boricel Corporation DBA Bonded Logic, Inc.	Cellulose Fiber Water Heater Kits, Duct & Pipe Wrap	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
Covertch Flexible Packaging A Division of Balcan Innovation Inc	Aluminum Foil System	T 1354
Covertch 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.	Aluminum Foil System	T 1281
Fi-Foil Company Inc.	Aluminum Foil System	T 1390
Fi-Foil Company Inc.	Radiant Barrier	T 1390
Firestone Building Products	Polyisocyanurate Board	T 1545
Franklin International	Polyurethane Spray or Field Applied	T 1525

Manufacturer	Insulation Type	License Number
GAF	Polyisocyanurate Board	T 1454
General Coatings Manufacturing Corporation	Polyurethane Spray or Field Applied	T 1491
Henry Company	Polyurethane Spray or Field Applied	T 1228
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.	Aluminum Foil System	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	Aluminum Foil System	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
Knauf Insulation	Mineral Fiber Blanket	T 1002

Manufacturer	Insulation Type	License Number
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
Mountain Fiber Insulation Inc.	Cellulose Fiber Loose Fill	T 1405
Mountain Fiber Insulation Inc.	Cellulose Fiber Spray or Field Applied	T 1405
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.	Aluminum Foil System	T 1543
Resisto	Aluminum Foil System	T 1469
Rhino Linings Corporation	Polyurethane Spray or Field Applied	T 1490
RMAX	Polyisocyanurate Board	T 1523
Rockwool	Mineral Fiber Blanket	T 1360
Rockwool	Mineral Fiber Board	T 1360
SES Foam LLC	Polyurethane Spray or Field Applied	T 1492
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

BHGS - THERMAL INSULATION DIRECTORY
BLANKET INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
Cellulose Fiber Blanket										
Borice Corporation DBA Bonded Logic, Inc.					T 1550					
UTT	ULTRATOUCHR6.7	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.80	6.70	R
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
UTT	ULTRATOUCHR30	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	7.90	30.00	R

* DESCRIPTION OF BRAND CODES:
 UTT = ULTRATOUCH

Mineral Fiber Blanket										
Certainteed Corporation					T 1023					
CT	ACOUSTABLANKET	FIBERGLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	0.50	2.10	R
CT	ACOUSTABLANKET	FIBERGLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.00	4.20	R
CT	ACOUSTABLANKET	FIBERGLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.50	6.30	R
CT	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
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
CT	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

BHGS - THERMAL INSULATION DIRECTORY
BLANKET INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	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	YES	YES	10.00	30.00	R
CT	CERTAPRO THERMAL BATT	FIBERGLASS	FSK FACED SGL MATERIAL	METAL	CLG WALL	YES	YES	12.00	38.00	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	EZR BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	3.50	13.00	R
CT	EZR BUILDING INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	6.25	19.00	R
CT	HANDY FILL	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	***	
CT	MANUFACTURED HOUSING	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	2.50	7.00	R
CT	MANUFACTURED HOUSING	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	4.50	14.00	R
CT	MANUFACTURED HOUSING	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.00	R
CT	MANUFACTURED HOUSING	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	7.00	R
CT	MANUFACTURED HOUSING	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.00	9.00	R
CT	MANUFACTURED HOUSING	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00	R
CT	MANUFACTURED HOUSING	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.50	14.00	R
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

BHGS - THERMAL INSULATION DIRECTORY
BLANKET INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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
CT	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	PARTITION BATTS	FIBERGLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.80	R
CT	SMART BATT	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	YES	YES	3.50	13.00	R
CT	SMART BATT	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	YES	YES	3.50	15.00	R
CT	SMART BATT	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	YES	YES	5.50	21.00	R
CT	SMART BATT	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	YES	YES	6.25	19.00	R
CT	SMART BATT	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	YES	YES	10.00	30.00	R
CT	SMART BATT	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	YES	YES	12.00	38.00	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
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	3.50	11.00	R
CT	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
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	NO	YES	12.00	38.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CLG WALL FLR	YES	YES	3.50	11.00	R
CT	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	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	13.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	3.50	15.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	5.50	20.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	5.50	21.00	R
CT	SUSTAINABLE INSULATION	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	YES	6.25	19.00	R

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
CT	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	25.00	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	10.25	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	2.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	5.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	5.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	6.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	6.00	0.31	K
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	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.50	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	4.00	0.31	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	4.50	0.31	K
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	K
CT	UNIVERSAL BLANKET-501	FIBERGLASS	VINYL FACED MATERIAL	PLASTIC	EQUIPMENT	YES	YES	6.00	0.31	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.28	K

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CT	UNIVERSAL BLANKET-751	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.28	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.28	K
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	K
CT	UNIVERSAL BLANKET-751	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.28	K
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	0.28	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
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.28	K
CT	UNIVERSAL BLANKET-1001	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.28	K
CT	UNIVERSAL BLANKET-1501	FIBERGLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.00	0.23	K
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					
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

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Insul-Therm International Inc.					T 1245					
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	K
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

Johns Manville					T 1039					
JM	ALL PURPOSE	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.20	R
JM	B.I. R11 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	WALL	NO	YES	3.50	11.00	R
JM	B.I. R11 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	WALL	NO	YES	3.63	11.00	R
JM	B.I. R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	11.00	R
JM	B.I. R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.63	11.00	R
JM	B.I. R13 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	WALL	NO	YES	3.50	13.00	R
JM	B.I. R13 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	WALL	NO	YES	3.63	13.00	R
JM	B.I. R13 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	13.00	R
JM	B.I. R13 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.63	13.00	R
JM	B.I. R15 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	WALL	NO	YES	3.50	15.00	R
JM	B.I. R15 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00	R
JM	B.I. R19 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CLG WALL FLR	NO	YES	6.25	19.00	R
JM	B.I. R19 KF/FF	FIBER GLASS	FACED SINGLE MATERIAL	PAP/MTL	CLG WALL FLR	NO	YES	6.50	19.00	R
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
JM	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

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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	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.23	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.27	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.29	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.31	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.75	0.27	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.75	0.29	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.75	0.31	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.25	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.27	C
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	C
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 MCLT	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	0.31	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	0.29	C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	0.31	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	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WALL	YES	YES	3.50	13.00	R
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	WALL	YES	YES	5.50	21.00	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	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

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	K
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
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.28	K
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	0.22	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

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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	0.38	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.27	K
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	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

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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	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
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	K
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	K
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	K
JM	MICROLITE 0.60 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.30	K
JM	MICROLITE 0.60 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.30	K
JM	MICROLITE 0.60 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.30	K
JM	MICROLITE 0.60 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.30	K
JM	MICROLITE 0.60 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.30	K
JM	MICROLITE 0.60 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.30	K
JM	MICROLITE 0.60 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.30	K
JM	MICROLITE 0.60 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.29	K
JM	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.29	K
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	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.29	K
JM	MICROLITE 0.75 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.29	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.26	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.37	0.26	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.26	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.26	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.26	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.26	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.26	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.26	K
JM	MICROLITE 1.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.26	K
JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.24	K
JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.37	0.24	K
JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.24	K
JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.24	K
JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24	K
JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.24	K
JM	MICROLITE 1.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.24	K

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.23	K
JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.37	0.23	K
JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.23	K
JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.23	K
JM	MICROLITE 2.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
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
JM	MICROLITE 2.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.37	0.23	K
JM	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	0.75	0.23	K
JM	MICROLITE 2.5 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23	K
JM	MICROLITE 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.25	0.22	K
JM	MICROLITE 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.37	0.22	K
JM	MICROLITE 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.22	K
JM	MICROLITE 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.75	0.22	K
JM	MICROLITE 3.0 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.22	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 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
JM	MICROLITE MW	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	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	K

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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	MICROMAT 23	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	0.23	K
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	K
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 26	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.75	0.26	K
JM	MICROMAT 26	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	1.00	0.26	K
JM	MICROMAT RX	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	2.20	R
JM	MICROMAT RX	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.75	3.20	R
JM	MICROMAT RX	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	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
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	K
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	K
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

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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	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
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	K
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	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	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	K
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	0.27	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

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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	0.30	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	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	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	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
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	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	C

BHGS - THERMAL INSULATION DIRECTORY
BLANKET INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	0.75	0.31	C
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	1.00	0.24	C
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	1.50	0.17	C
JM	TUF-SKIN	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	2.00	0.13	C
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	0.50	0.52	C
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	0.75	0.36	C
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	1.00	0.26	C
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	1.50	0.18	C
JM	TUF-SKIN II	FIBER GLASS	COMPOSITE	FIBERGLASS	EQUIPMENT	YES	NO	2.00	0.13	C
JM	ZESTON HI-LO INSULATION INSERTS	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.26	K

NOTE: KF = Kraft-Faced

UNF = SINGLE MATERIAL

KF/FF = Kraft-Faced Formaldehyde-Free

* DESCRIPTION OF BRAND CODES:
JM = JOHNS MANVILLE

Knauf Insulation					T 1002					
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
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	10.25	38.00	R
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	YES	YES	12.00	38.00	R
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.50	11.00	R
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.50	13.00	R
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	3.50	15.00	R
KNF	CBI-25 BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL CLG	YES	YES	6.25	19.00	R
KNF	FLXDTLINEM 1.5 PCF	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	NO	NO	1.00	0.25	C
KNF	FLXDTLINEM 1.5 PCF	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	NO	NO	1.50	0.17	C
KNF	FLXDTLINEM 1.5 PCF	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	NO	NO	2.00	0.13	C
KNF	FLXDTLINEM 2.0 PCF	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	NO	NO	0.50	0.48	C
KNF	FLXDTLINEM 2.0 PCF	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	NO	NO	1.00	0.24	C
KNF	FLXDTLINEM 2.0 PCF	FIBERGLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	NO	NO	1.50	0.16	C
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	NO	YES	6.50	22.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	NO	YES	8.25	30.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	NO	YES	10.00	30.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	NO	YES	10.25	38.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	CEILING	NO	YES	12.00	38.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL	NO	YES	3.50	11.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL	NO	YES	3.50	13.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL	NO	YES	3.50	15.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL CLG	NO	YES	5.50	21.00	R
KNF	FOIL FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	METAL	WALL CLG	NO	YES	6.25	19.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	6.50	22.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	8.25	30.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	10.00	30.00	R

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KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	10.25	38.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	12.00	38.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	CEILING	NO	YES	13.75	49.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	FLOOR	NO	YES	8.00	25.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	3.50	11.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	3.50	13.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL	NO	YES	3.50	15.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL CLG	NO	YES	5.50	21.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL CLG	NO	YES	5.50	23.00	R
KNF	KRAFT FACED BLDG INS	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	WALL CLG	NO	YES	6.25	19.00	R
KNF	KRAFT FACED BLDG INS IRD	FIBERGLASS	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	YES	6.25	19.00	R
KNF	MANUFACTURED HSING	FIBERGLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	9.50	30.00	R
KNF	MANUFACTURED HSING	FIBERGLASS	SINGLE MATERIAL	NONE	CLG FLR	YES	NO	4.50	14.00	R
KNF	MANUFACTURED HSING	FIBERGLASS	SINGLE MATERIAL	NONE	CLG FLR	YES	NO	6.25	19.00	R
KNF	MANUFACTURED HSING	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	5.00	R
KNF	MANUFACTURED HSING	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.25	7.00	R
KNF	MANUFACTURED HSING	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	11.00	R
KNF	MANUFACTURED HSING	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	13.00	R
KNF	MASONARY WALL INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	0.75	3.00	R
KNF	MASONARY WALL INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	5.00	R
KNF	METAL BUILDING INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	3.00	10.00	R
KNF	METAL BUILDING INS	FIBERGLASS	SINGLE MATERIAL	NONE	WALL CLG	YES	NO	3.50	11.00	R
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

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* DESCRIPTION OF BRAND CODES:
KNF = KNAUF INSULATION

Owens Corning Insulating Systems LLC					T 1428					
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
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

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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
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

Rockwool					T 1360					
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	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
Cellular Glass Board										
Pittsburgh Corning Corporation					T 1036					
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 Aggregate Board										
Johns Manville					T 1288					
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 Fiber Board										
Certainteed Corporation					T 1023					
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	K
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	K
CT	COMMERCIAL BOARD - 150	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.25	K
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	K
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	K
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	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	1.00	0.23	K
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
CT	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	2.50	0.23	K

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
CT	COMMERCIAL BOARD - 225	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	3.00	0.23	K
CT	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	COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	1.00	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	1.50	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	2.00	0.23	K
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
CT	COMMERCIAL BOARD - 225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	4.00	0.23	K
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	COMMERCIAL BOARD - 225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.00	0.23	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	0.23	K
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	K
CT	COMMERCIAL BOARD - 225	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	2.00	0.23	K
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	4.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	1.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	CLG WALL FLR	YES	YES	1.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	ASJ FACED SGL 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
CT	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	K
CT	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	COMMERCIAL BOARD - 300	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.23	K
CT	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
CT	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	0.23	K
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	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	1.50	0.23	K
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
CT	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	3.00	0.23	K
CT	COMMERCIAL BOARD - 300	FIBER GLASS	WMP FACED SGL MATERIAL	OTHER	EQUIPMENT	YES	YES	3.50	0.23	K
CT	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	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	EQUIPMENT	YES	YES	1.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	EQUIPMENT	YES	YES	2.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	EQUIPMENT	YES	YES	2.50	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL MATERIAL	PAPER	EQUIPMENT	YES	YES	3.00	0.22	K
CT	COMMERCIAL BOARD - 600	FIBER GLASS	ASJ FACED SGL 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
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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	MANUFACTURED HOUSING DUCT BOARD	FIBER GLASS	FSK FACED SGL MATERIAL	METAL	DUCTS	YES	YES	0.8125	3.50	R
CT	TOUGHARD DUCT BOARD - 475	FIBER GLASS	FSK FCD COMPOSITE	MTL/FAB	DUCTS	YES	YES	1.00	4.30	R
CT	TOUGHARD DUCT BOARD - 800	FIBER GLASS	FSK FCD COMPOSITE	MTL/FAB	DUCTS	YES	YES	1.00	4.30	R
CT	TOUGHARD DUCT BOARD - 800	FIBER GLASS	FSK FCD COMPOSITE	MTL/FAB	DUCTS	YES	YES	1.50	6.50	R
CT	TOUGHARD DUCT BOARD - 800	FIBER GLASS	FSK FCD COMPOSITE	MTL/FAB	DUCTS	YES	YES	2.00	8.70	R
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 = CERTAINTTEED

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

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JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.26	K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.50	0.26	K
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	K
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	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	4.00	0.23	K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	0.23	K
JM	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	K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.50	0.23	K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	4.00	0.23	K
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	815 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.23	K
JM	815 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	0.23	K
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	0.23	K
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	K
JM	817 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.22	K
JM	817 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.22	K
JM	817 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	0.22	K
JM	817 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	0.22	K
JM	817 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.22	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	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.22	K
JM	COATED I.S. BLACK	FIBER GLASS	FACED SINGLE MATERIAL	COATING	WALL CLG	YES	NO	1.00	4.00	R
JM	COATED I.S. BLACK	FIBER GLASS	FACED SINGLE MATERIAL	COATING	WALL CLG	YES	NO	2.00	8.00	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	1.00	4.20	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	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	2.50	10.00	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	2.50	10.30	R
JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	2.50	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	12.30	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

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JM	CURTAINWALL	MINERAL WOOL	FACED SINGLE MATERIAL	FSK	WALL	NO	YES	4.00	16.40	R
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	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	6.00	R
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	6.20	R
JM	CURTAINWALL	MINERAL WOOL	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	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.30	R
JM	CURTAINWALL	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	12.60	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	14.40	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	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	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	0.63	0.23	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	K
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	2.00	0.23	K
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	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	3.50	0.23	K
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	FACED SINGLE MATERIAL	FSK	EQUIPMENT	YES	YES	4.00	0.23	K
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.63	0.23	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	K
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	YES	NO	3.50	0.23	K
JM	EQUIPMENT SPIN-GLAS BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.23	K
JM	EXACT-O-BOARD 2.0 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.38	0.23	K
JM	EXACT-O-BOARD 3.0 PCF	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.25	0.22	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	K
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	FACED SINGLE MATERIAL	FBR GLS	FLOOR	YES	NO	2.00	0.23	K
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

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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	I.S. 600 FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.80	R
JM	I.S. 600 FSK/AP	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	9.10	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	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	1.50	0.23	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.00	0.23	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	2.50	0.23	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	3.00	0.23	K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/FLAS	EQUIP/PIPES	YES	YES	3.50	0.23	K
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	MICRO-LOK HP	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.00	0.24	K
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	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.00	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.50	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.00	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.50	0.24	K
JM	MICRO-LOK HP	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.00	0.24	K
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	0.50	0.24	K
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	YES	YES	2.00	0.24	K
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.50	0.24	K
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.00	0.24	K
JM	MICRO-LOK HP ULTRA	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.50	0.24	K
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	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	SAFB	MINERAL WOOL	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	3.70	R

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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						
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
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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	AK BOARD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	1.50	6.70	R
KNF	AK BOARD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	WALL	YES	YES	2.00	8.90	R
KNF	AK BOARD PLN 1.6PCF	FIBER GLASS	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	AK BOARD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30	R
KNF	AK BOARD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50	R
KNF	AK BOARD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	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	AK BOARD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.70	R
KNF	AK BOARD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.90	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	ECLIPSE ADB 800	FIBER GLASS	COMPOSITE	METAL	DUCTS	YES	YES	1.00	4.30	R
KNF	ECLIPSE ADB 800	FIBER GLASS	COMPOSITE	METAL	DUCTS	YES	YES	1.50	6.50	R
KNF	ECLIPSE ADB 800	FIBER GLASS	COMPOSITE	METAL	DUCTS	YES	YES	2.00	8.70	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	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	3.00	13.00	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	4.00	17.40	R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	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	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	1.00	4.40	R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	1.50	6.70	R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	KRAFT	WALL	YES	YES	2.00	8.90	R
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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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 Insulating Systems LLC				T 1428						
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	K
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	K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23	K
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	K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.23	K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.23	K
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	K
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23	K
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	K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.23	K
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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	K
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

Rockwool				T 1360						
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
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	2.00	8.80	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.20	R
RI	CURTAINROCK 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.60	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	2.00	8.80	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	3.00	13.20	R
RI	CURTAINROCK 40 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	4.00	17.60	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.56	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.80	R
RI	CURTAINROCK 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.10	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	2.00	8.56	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	3.00	12.80	R
RI	CURTAINROCK 80 RFF	ROCKWOOL	FACED SINGLE MATERIAL	FOIL	WALL	YES	YES	4.00	17.10	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	MONOBOARD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	1.00	3.50	R
RI	MONOBOARD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	1.00	3.50	R

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
RI	ROXUL SAFE	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.72	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	2.00	7.20	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	2.50	9.00	R
RI	TOPROCK DD	ROCKWOOL	SINGLE MATERIAL	NONE	ROOF/DECK	NO	NO	3.00	10.80	R
RI	TOPROCK DD MULTIFIX	ROCKWOOL	FACED SINGLE MATERIAL	FIBERGLASS	ROOF/DECK	NO	NO	2.50	9.00	R
RI	TOPROCK DD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	2.00	7.20	R
RI	TOPROCK DD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	2.50	9.00	R
RI	TOPROCK DD PLUS	ROCKWOOL	FACED SINGLE MATERIAL	ASPHALT	ROOF/DECK	NO	NO	3.00	10.80	R

* DESCRIPTION OF BRAND CODES:
RI = ROCKWOOL

Thermafiber Inc.				T 1437						
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	4.00	16.67	R
TCW	FIRESpan 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.33	R
TCW	FIRESpan 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.42	R
TCW	FIRESpan 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50	R
TCW	FIRESpan 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.67	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	FIRESpan 90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.33	R
TCW	FIRESpan 90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.42	R
TCW	FIRESpan 90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	12.50	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	4.00	16.67	R
TCW	RAINBARRIER 45	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.33	R
TCW	RAINBARRIER 45	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.42	R
TCW	RAINBARRIER 45	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50	R
TCW	RAINBARRIER 45	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.58	R
TCW	RAINBARRIER 45	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.67	R
TCW	RAINBARRIER 45	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.75	R
TCW	RAINBARRIER HD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.33	R
TCW	RAINBARRIER HD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.42	R
TCW	RAINBARRIER HD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50	R
TCW	RAINBARRIER HD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.67	R
TCW	RAINBARRIER HD	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.75	R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.67	R
TCW	SAFING	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.67	R
TCW	ULTRABATT INSULATION	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.58	R
TCW	ULTRABATT INSULATION	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.80	R
TCW	ULTRABATT INSULATION	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	24.00	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	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.33	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.42	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.58	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.67	R
TCW	VERSABOARD 40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.50	18.75	R

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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* DESCRIPTION OF BRAND CODES:
TCW = THERMAFIBER CURTAIN WALL INSULATION

Polyisocyanurate Board										
Carlisle Coatings and Waterproofing					T 1501					
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
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	EMBOSSSED FOIL	WALL	NO	YES	1.00	6.50	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSSED FOIL	WALL	NO	YES	1.50	10.00	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSSED FOIL	WALL	NO	YES	2.00	13.00	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSSED FOIL	WALL	NO	YES	2.50	16.50	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSSED FOIL	WALL	NO	YES	3.00	20.30	R
R2H	R2+ SHEATHE	ISOCYANURATE	FACED SINGLE MATERIAL	EMBOSSSED 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 Syntec Inc.					T 1418					
CCD	SECURSHIELD CD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.60	R
CCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.60	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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	5.60	R
CSD	HP-H POLYISO	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
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 Nemours Inc.					T 1534					
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

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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
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	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	10.90	R
NHM	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.10	R
NHM	THERMAX MTL 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	THERMAX MTL BLDG NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.70	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.70	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.60	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	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	9.60	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	10.90	R
NHW	THERMAX WHITE FACE NH	ISOCYANURATE	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	THERMAX WHITE FACE NH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.70	R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	0.50	3.30	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	YES	1.50	9.60	R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	2.00	12.60	R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	0.50	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	TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	1.50	9.60	R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	2.00	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	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.80	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.55	10.10	R
TXH	THERMAX HDUTY 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	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	18.90	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.20	20.20	R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	20.50	R
TXH	THERMAX HDUTY 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	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.30	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.88	5.80	R

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TXL	THERMAX LDUTY 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
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	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.65	16.70	R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.75	17.30	R
TXL	THERMAX LDUTY 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	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.50	3.30	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
TXM	THERMAX MTL 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	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.60	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	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	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	20.50	R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	22.10	R
TXM	THERMAX MTL 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	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.50	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	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	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	12.60	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	2.50	15.80	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	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	23.60	R
TXS	THERMAX (CI)	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	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	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.50	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	8.10	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.38	9.00	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.80	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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.38	15.00	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	15.80	R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.63	16.60	R
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	22.10	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

Firestone Building Products					T 1545					
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

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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
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	ISO 95+ GL (TAPERED) H	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.50	14.40	R
FBT	ISO 95+ GL (TAPERED) Q	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
FBT	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	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R
FCG	ISOGARD CG	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	2.30	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	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.75	22.00	R
FCG	ISOGARD CG	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	4.00	23.60	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	ISOGARD GL (TAPERED) Q	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
FGL	ISOGARD GL (TAPERED) X	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.00	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	ISOGARD HD COMPOSITE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	1.50	8.20	R
FRC	ISOGARD HD COMPOSITE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.00	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	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.00	5.70	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.25	7.10	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.50	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	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	18.90	R
FRI	ISO 95+ GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.50	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

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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	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.25	7.10	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.50	8.60	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.00	11.40	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.30	13.20	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.50	14.40	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.80	16.20	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	18.90	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.50	20.50	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.75	22.00	R
FRR	RESISTA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	4.00	23.60	R
FRT	RESISTA (TAPERED) AA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**0.75	4.30	R
FRT	RESISTA (TAPERED) A	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.25	7.10	R
FRT	RESISTA (TAPERED) B	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.75	10.00	R
FRT	RESISTA (TAPERED) C	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.25	12.90	R
FRT	RESISTA (TAPERED) G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
FRT	RESISTA (TAPERED) H	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.50	14.40	R
FRT	RESISTA (TAPERED) Q	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
FRT	RESISTA (TAPERED) X	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.00	5.70	R
FRT	RESISTA (TAPERED) Y	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.00	11.40	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.00	5.70	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.25	7.10	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.50	8.60	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.00	11.40	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.30	13.20	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.50	14.40	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.80	16.20	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	18.90	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.50	20.50	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.75	22.00	R
GCG	GENFLEX CG ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	4.00	23.60	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.00	5.70	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.25	7.10	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.50	8.60	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.75	10.00	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.00	11.40	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.30	13.20	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.50	14.40	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.80	16.20	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.25	18.90	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.50	20.50	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.75	22.00	R
GGL	GENFLEX GL ISO	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	4.00	23.60	R
GHC	GENFLEX HD COMPOSITE ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	1.50	8.20	R
GHC	GENFLEX HD COMPOSITE ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.00	11.10	R
GHC	GENFLEX HD COMPOSITE ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.50	13.90	R
GHC	GENFLEX HD COMPOSITE ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.00	16.90	R
GHC	GENFLEX HD COMPOSITE ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.50	19.90	R
GHC	GENFLEX HD COMPOSITE ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	4.00	23.00	R
GLT	TAPERED GENFLEX GL ISO AA	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**0.75	4.30	R
GLT	TAPERED GENFLEX GL ISO A	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.25	7.10	R
GLT	TAPERED GENFLEX GL ISO B	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.75	10.00	R
GLT	TAPERED GENFLEX GL ISO C	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.25	12.90	R
GLT	TAPERED GENFLEX GL ISO G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
GLT	TAPERED GENFLEX GL ISO H	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.50	14.40	R

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BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
GLT	TAPERED GENFLEX GL ISO Q	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
GLT	TAPERED GENFLEX GL ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.00	5.70	R
GLT	TAPERED GENFLEX GL ISO Y	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.00	11.40	R
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	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.50	18.00	R
GNB	GENFLEX HG ISO	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	4.00	21.10	R
GTC	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	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	1.00	5.70	R
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	1.25	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	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.50	20.50	R
GXC	COATED GLASS FACER (FLAT)	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.75	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	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.50	14.40	R
GXI	GENFLEX ISO INSULATION	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.80	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	TAPERED GENFLEX ISO B	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.75	10.00	R
GXT	TAPERED GENFLEX ISO C	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**2.25	12.90	R
GXT	TAPERED GENFLEX ISO G	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	**1.50	8.60	R
GXT	TAPERED GENFLEX ISO H	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	ISOGARD GL	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	2.30	13.20	R
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.50	14.40	R

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	2.80	16.20	R
IGL	ISOGARD GL	ISOCYANURATE	FACED SINGLE MATERIAL	GLS FBR	ROOF DECK	NO	NO	3.00	17.40	R
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)
 FBT = ISO 95+ GL (TAPERED)
 FCG = ISOGARD CG
 FGL = ISOGARD GL (TAPERED)
 FHG = HAILGARD
 FRC = ISOGARD HD COMPOSITE

FRH = ISOGARD HD
 FRI = ISO 95+ GL
 FRR = RESISTA
 FRT = RESISTA (TAPERED)
 GCG = GENFLEX CG ISO
 GGL = GENFLEX GL ISO

GHC = GENFLEX HD COMPOSITE ISO
 GLT = GENFLEX GL ISO (TAPERED)
 GNB = GENFLEX NB ISO
 GTC = COATED GLASS FACER (TAPERED)
 GXC = COATED GLASS FACER (FLAT)
 GXH = GENFLEX HD ISO

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

GAF			T 1454							
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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
EG	47A0	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R
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

EGH = ENERGYGUARD HD

EGP = ENERGYGUARD HD PLUS

EGU = ENERGYGUARD ULTRA

Hunter Panels				T 1420						
HCG	H-SHIELD CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.60	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
HCG	H-SHIELD CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.70	15.60	R
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	COATED GLASS FELT	ROOF DECK	NO	NO	4.00	23.60	R
HCG	PW-CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.60	R
HCG	PW-CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.50	8.60	R
HCG	PW-CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.00	11.40	R
HCG	PW-CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	2.70	15.60	R
HCG	PW-CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	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	NO	2.50	13.90	R
HHC	H-SHIELD HD COMPOSITE	ISOCYANURATE	COMPOSITE	COATED GLASS FELT	ROOF DECK	NO	NO	3.00	16.90	R
HHH	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	9.20	R
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	21.10	R
HSD	H-SHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.60	R

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BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	5.60	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	NO	YES	3.30	20.40	R
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	3.50	21.70	R
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	4.00	24.90	R
XCC	XCI CG	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	WALL	NO	YES	4.50	28.10	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	XCI CLASS A PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.00	6.60	R
XAP	XCI CLASS A PLUS	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.50	9.70	R
XAP	XCI CLASS A PLUS	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	1.00	6.30	R
XCI	XCI 286	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	YES	YES	1.20	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
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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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

HFF = H-SHIELD-F

HHC = H-SHIELD HD COMPOSITE

HHD=H-SHIELD HD

HNB = H-SHIELD-NB

HSD = H-SHIELD

HSP = H-SHIELD PREMIER

HWF = H-SHIELD-WF

XAP = XCI CLASS A PLUS

XCA = XCI CLASS A

XCC = XCI CG

XCF = XCI FOIL

XCI = XCI 286

XCP = XCI PLY

XCN = XCI NB

Johns Manville				T 1341						
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
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

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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 3® 2.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R
JM	ENRGY 3® 2.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.20	12.60	R
JM	ENRGY 3® 2.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25	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	ENRGY 3® 3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
JM	ENRGY 3® 3.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.10	18.00	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 3® 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	ENRGY 3® 3.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.80	22.30	R
JM	ENRGY 3® 3.9"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.90	23.00	R
JM	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	24.20	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**	6.40	R
JM	Tapered ENRGY 3® 02	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	7.80	R
JM	Tapered ENRGY 3® 03	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	9.30	R
JM	Tapered ENRGY 3® 04	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	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3**	18.90	R
JM	Tapered ENRGY 3® F	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.5**	22.10	R
JM	Tapered ENRGY 3® G	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	8.60	R
JM	Tapered ENRGY 3® H	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® I	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
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

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	Tapered ENRGY 3® R	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75**	5.70	R
JM	Tapered ENRGY 3® S	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	8.60	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**	13.60	R
JM	Tapered ENRGY 3® MM	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75**	18.20	R
JM	ENRGY 3® 0.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.50	3.00	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	ENRGY 3® 1.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.60	9.10	R
JM	ENRGY 3® 1.7" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.70	9.70	R
JM	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 3® 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	ENRGY 3® 2.4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.40	13.80	R
JM	ENRGY 3® 2.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
JM	ENRGY 3® 2.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R
JM	ENRGY 3® 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	ENRGY 3® 3.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R
JM	ENRGY 3® 3.4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.40	19.90	R
JM	ENRGY 3® 3.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
JM	ENRGY 3® 3.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.60	21.10	R
JM	ENRGY 3® 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 3® 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
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

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BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	Tapered ENRGY 3® 04 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	10.70	R
JM	Tapered ENRGY 3® 05 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.10	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	Tapered ENRGY 3® G 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	8.60	R
JM	Tapered ENRGY 3® H 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	14.40	R
JM	Tapered ENRGY 3® J 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	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® I 25PSI	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	Tapered ENRGY 3® ZZ 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.5**	23.60	R
JM	Tapered ENRGY 3® SS 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	7.10	R
JM	Tapered ENRGY 3® TT 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	15.90	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**	20.50	R
JM	Tapered ENRGY 3® XX 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	11.40	R
JM	Tapered ENRGY 3® KK 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	9.30	R
JM	Tapered ENRGY 3® JJ 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	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	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.20	6.80	R
JM	ENRGY 3® CGF 1.25"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.25	7.10	R
JM	ENRGY 3® CGF 1.3"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.30	7.40	R
JM	ENRGY 3® CGF 1.4"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.40	8.00	R
JM	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
JM	ENRGY 3® CGF 2.2"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.20	12.60	R
JM	ENRGY 3® 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

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JM	ENRGY 3® CGF 2.7"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.70	15.60	R
JM	ENRGY 3® CGF 2.75"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.75	15.90	R
JM	ENRGY 3® CGF 2.8"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.80	16.20	R
JM	ENRGY 3® CGF 2.9"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.90	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	ENRGY 3® CGF 3.6"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.60	21.10	R
JM	ENRGY 3® CGF 3.7"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.70	21.70	R
JM	ENRGY 3® CGF 3.75"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.75	22.00	R
JM	ENRGY 3® CGF 3.8"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.80	22.30	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	ENRGY 3® CGF 4.5"	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.50	26.80	R
JM	Tapered ENRGY 3® CGF 1A	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	3.60	R
JM	Tapered ENRGY 3® CGF 1B	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	Tapered ENRGY 3® CGF A	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	7.10	R
JM	Tapered ENRGY 3® CGF B	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.5**	10.00	R
JM	Tapered ENRGY 3® CGF C	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	Tapered ENRGY 3® CGF M	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.25**	21.20	R
JM	Tapered ENRGY 3® CGF I	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3**	20.50	R
JM	Tapered ENRGY 3® CGF X	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	5.70	R
JM	Tapered ENRGY 3® CGF Y	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
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	Tapered ENRGY 3® CGF JJ	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.5**	5.00	R

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JM	Tapered ENRGY 3@ CGF FF	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4**	25.30	R
JM	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	ENRGY 3@ CGF 1.4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.40	8.00	R
JM	ENRGY 3@ CGF 1.5" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.50	8.60	R
JM	ENRGY 3@ CGF 1.6" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.60	9.10	R
JM	ENRGY 3@ 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 3@ 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	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.20	12.60	R
JM	ENRGY 3@ CGF 2.25" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.25	12.90	R
JM	ENRGY 3@ CGF 2.3" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.30	13.20	R
JM	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	ENRGY 3@ CGF 3.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.10	18.00	R
JM	ENRGY 3@ CGF 3.2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.20	18.60	R
JM	ENRGY 3@ CGF 3.25" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.25	18.90	R
JM	ENRGY 3@ 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	ENRGY 3@ CGF 3.9" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.90	23.00	R
JM	ENRGY 3@ CGF 4" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.00	23.60	R
JM	ENRGY 3@ CGF 4.1" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.10	24.20	R
JM	ENRGY 3@ CGF 4.2" 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	4.20	24.90	R
JM	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	Tapered ENRGY 3@ CGF 03 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.5**	9.30	R
JM	Tapered ENRGY 3@ CGF 04 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.75**	10.70	R
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	Tapered ENRGY 3@ CGF D 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.5**	15.90	R
JM	Tapered ENRGY 3@ CGF E 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3**	18.90	R

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
JM	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	Tapered ENRGY 3@ CGF Y 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1.5**	11.40	R
JM	Tapered ENRGY 3@ CGF Z 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.5**	17.40	R
JM	Tapered ENRGY 3@ CGF ZZ 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	Tapered ENRGY 3@ CGF V 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	2.75**	17.40	R
JM	Tapered ENRGY 3@ CGF W 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	3.25**	20.50	R
JM	Tapered ENRGY 3@ CGF XX 25PSI	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	1**	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	ENRGY 3.E@ 1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R
JM	ENRGY 3.E@ 1.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.10	6.30	R
JM	ENRGY 3.E@ 1.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.20	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	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.90	10.80	R
JM	ENRGY 3.E@ 2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	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@ 2.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.20	12.60	R
JM	ENRGY 3.E@ 2.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25	12.90	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
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	ENRGY 3.E@ 3.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25	18.90	R
JM	ENRGY 3.E@ 3.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R
JM	ENRGY 3.E@ 3.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.40	19.90	R
JM	ENRGY 3.E@ 3.5"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.10	24.20	R
JM	ENRGY 3.E@ 4.2"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.20	24.90	R
JM	ENRGY 3.E@ 4.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.30	25.50	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	Tapered ENRGY 3.E@ 05	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.10	R
JM	Tapered ENRGY 3.E@ 06	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25**	13.60	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	Tapered ENRGY 3.E@ G	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	8.60	R
JM	Tapered ENRGY 3.E@ H	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	14.40	R
JM	Tapered ENRGY 3.E@ J	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	7.80	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@ I	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	Tapered ENRGY 3.E@ ZZ	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.5**	23.60	R
JM	Tapered ENRGY 3.E@ SS	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	7.10	R
JM	Tapered ENRGY 3.E@ TT	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	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**	20.50	R
JM	Tapered ENRGY 3.E@ XX	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	11.40	R
JM	Tapered ENRGY 3.E@ KK	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	9.30	R
JM	Tapered ENRGY 3.E@ JJ	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
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	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.20	6.80	R
JM	ENRGY 3.E@ 25PSI 1.25"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25	7.10	R
JM	ENRGY 3.E@ 25PSI 1.3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.30	7.40	R
JM	ENRGY 3.E@ 25PSI 1.4"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.40	8.00	R

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	ENRGY 3.E@ 25PSI 2.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R
JM	ENRGY 3.E@ 25PSI 2.2"	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	2.25	12.90	R
JM	ENRGY 3.E@ 25PSI 2.3"	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	ENRGY 3.E@ 25PSI 2.9"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.90	16.80	R
JM	ENRGY 3.E@ 25PSI 3"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
JM	ENRGY 3.E@ 25PSI 3.1"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.10	18.00	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	R
JM	ENRGY 3.E@ 25PSI 3.8"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.80	22.30	R
JM	ENRGY 3.E@ 25PSI 3.9"	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.90	23.00	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	4.10	24.20	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	ROOF DECK	NO	NO	1.25**	7.80	R
JM	Tapered ENRGY 3.E@ 25PSI 03	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.5**	9.30	R
JM	Tapered ENRGY 3.E@ 25PSI 04	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	10.70	R
JM	Tapered ENRGY 3.E@ 25PSI 05	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	12.10	R
JM	Tapered ENRGY 3.E@ 25PSI 06	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
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	Tapered ENRGY 3.E@ 25PSI J	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1**	7.80	R
JM	Tapered ENRGY 3.E@ 25PSI K	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75**	12.10	R
JM	Tapered ENRGY 3.E@ 25PSI L	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.5**	16.60	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 I	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

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	Tapered ENRGY 3.E@ 25PSI TT	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2**	15.90	R
JM	Tapered ENRGY 3.E@ 25PSI Q	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	8.60	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	1**	11.40	R
JM	Tapered ENRGY 3.E@ 25PSI KK	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25**	9.30	R
JM	Tapered ENRGY 3.E@ 25PSI JJ	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.5**	5.00	R
JM	Tapered ENRGY 3.E@ 25PSI FF	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4**	25.30	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	NAILBOARD 2.25"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.25	11.55	R
JM	NAILBOARD 2.5"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.50	13.14	R
JM	NAILBOARD 2.75"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.75	14.72	R
JM	NAILBOARD 3"	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	VENTED NAILBOARD 2.5"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.50	6.00	R
JM	VENTED NAILBOARD 2.75"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.75	7.50	R
JM	VENTED NAILBOARD 3"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.00	9.00	R
JM	VENTED NAILBOARD 3.25"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.25	10.50	R
JM	VENTED NAILBOARD 3.5"	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	VENTED NAILBOARD 5.25"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	5.25	23.40	R
JM	VENTED NAILBOARD 5.5"	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	5.50	25.00	R
JM	Protector™ HD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED FIBERGLASS	ROOF DECK	NO	NO	0.50	2.50	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
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

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BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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

Kingspan Insulation LLC					T 1538					
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

Polyglass USA					T 1529					
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

RMAX					T 1523					
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

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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	4.50	28.30	R
ECI	ECOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	2.00	13.10	R
ECI	ECOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	2.50	16.70	R
ECI	ECOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	3.00	20.30	R
ECI	ECOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	3.50	23.90	R
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	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	2.13	9.80	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	3.13	16.00	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	3.63	19.20	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	4.13	22.50	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	4.63	25.70	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	5.13	29.00	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.50	5.40	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.75	6.90	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	2.15	9.30	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	3.25	16.20	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	3.75	19.40	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	4.25	22.70	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	4.75	25.90	R
ECP	ECOMAXCI PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	5.25	29.20	R
EVO	EVOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	2.00	13.10	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	EVOMAXCI	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	4.00	27.40	R
EVO	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
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.00	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	7.80	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	9.60	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.75	11.40	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	13.10	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.25	14.90	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	16.70	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	20.30	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.25	22.10	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	23.90	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.75	25.70	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	27.40	R
FR	ECOMAXCI FR	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.50	31.00	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.38	5.70	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.63	6.70	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	2.13	10.30	R

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FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	3.13	17.40	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	3.63	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	4.63	28.10	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	5.13	31.70	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.50	5.90	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	1.75	6.90	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	3.25	17.60	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	4.25	24.80	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	4.75	28.30	R
FRP	ECOMAXCI FR PLY	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	YES	5.25	31.90	R
FRW	ECOMAXCI FR WHITE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.00	R
FRW	ECOMAXCI FR WHITE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	7.80	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	YES	1.75	11.40	R
FRW	ECOMAXCI FR WHITE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.00	13.10	R
FRW	ECOMAXCI FR WHITE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	2.50	16.70	R
FRW	ECOMAXCI FR WHITE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.00	20.30	R
FRW	ECOMAXCI FR WHITE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	3.50	23.90	R
FRW	ECOMAXCI FR WHITE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.00	27.40	R
FRW	ECOMAXCI FR WHITE	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	4.50	31.00	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.60	9.10	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.80	10.30	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
MFA	MULTI-MAX FA-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
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	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	2.00	11.40	R
MHD	MULTI-MAX HD	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R
MHD	MULTI-MAX HD	ISOCYANURATE	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	NO	NO	3.00	17.40	R
MM	MULTI-MAX-3	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.30	19.20	R
MM	MULTI-MAX-3	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R
MM	MULTI-MAX-3	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R
NB3	NAILABLE BASE-3	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	NO	NO	1.50	6.30	R

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	NO	YES	1.50	10.00	R
RBG	RMAX BELOW GRADE	ISOCYANURATE	FACED SINGLE MATERIAL	PLASTIC FILM	CLG WALL FLR	NO	YES	2.00	13.10	R
RBG	RMAX BELOW GRADE	ISOCYANURATE	FACED SINGLE MATERIAL	PLASTIC FILM	CLG WALL FLR	NO	YES	2.30	15.00	R
RBG	RMAX BELOW GRADE	ISOCYANURATE	FACED SINGLE MATERIAL	PLASTIC FILM	CLG WALL FLR	NO	YES	2.50	16.70	R
RBG	RMAX BELOW GRADE	ISOCYANURATE	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 MATTE PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	0.63	4.00	R
RMP	R MATTE PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	0.75	5.00	R
RMP	R MATTE PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	WALL	NO	YES	1.00	6.00	R
RMP	R MATTE 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
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.60	9.10	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.80	10.30	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.10	12.00	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.30	13.20	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.60	15.00	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.70	15.60	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.30	19.20	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
SO	SOPRA-ISO X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.50	26.80	R
SO+	SOPRA-ISO + X	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.50	8.60	R
SO+	SOPRA-ISO + X	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.00	11.40	R
SO+	SOPRA-ISO + X	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.50	14.40	R
SO+	SOPRA-ISO + X	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.00	17.40	R
SO+	SOPRA-ISO + X	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.50	20.50	R
SO+	SOPRA-ISO + X	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R
SO+	SOPRA-ISO + X	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.50	26.80	R
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	1.00	3.60	R
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	1.25	5.10	R
TBD	THERMABASE-CI DS	ISOCYANURATE	COMPOSITE	OTHER	WALL	NO	NO	1.50	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

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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	COMPOSITE	OTHER	WALL	NO	NO	5.00	31.60	R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	ROOF DECK	NO	YES	1.00	6.00	R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	ROOF DECK	NO	YES	1.50	9.60	R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	ROOF DECK	NO	YES	2.00	13.10	R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	ROOF DECK	NO	YES	2.25	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
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
TS+	SOPRA-ISO + TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	0.75	4.30	R
TS+	SOPRA-ISO + TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	1.00	5.70	R
TS+	SOPRA-ISO + TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	1.50	8.60	R
TS+	SOPRA-ISO + TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	2.00	11.40	R
TS+	SOPRA-ISO + TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	2.50	14.40	R
TS+	SOPRA-ISO + TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	3.00	17.40	R
TS+	SOPRA-ISO + TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	3.50	20.50	R
TS+	SOPRA-ISO + TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	OTHER	ROOF DECK	NO	NO	4.00	23.60	R
TS+	SOPRA-ISO + TAPERED X	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	1.75	10.60	R
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	2.00	12.10	R
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	2.25	13.70	R
TSA	TSA-FA	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	CLG WALL FLR	NO	NO	2.50	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
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	0.75	4.30	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.00	5.70	R

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TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.25	7.10	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.50	8.60	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	1.75	10.00	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.00	11.40	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.25	12.90	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.50	14.40	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	2.75	15.90	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25	18.90	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.50	20.50	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.75	22.10	R
TSO	SOPRA-ISO TAPERED X	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	4.00	23.60	R
TSO	SOPRA-ISO TAPERED X	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	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	4.00	27.40	R
TSP	TSP	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	NO	YES	4.50	31.00	R
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	1.00	3.80	R
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	1.50	6.60	R
TSR	TS-RDECK	ISOCYANURATE	COMPOSITE	OTHER	ROOF DECK	YES	YES	2.00	10.20	R
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	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.00	17.40	R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	FACED SINGLE MATERIAL	PAPER	ROOF DECK	NO	NO	3.25	18.90	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	3.75	22.10	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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.00	23.60	R
TUF	TAPERED ULT-MAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	4.25	25.20	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	0.75	4.30	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.00	5.70	R
TUM	TAPERED ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	1.25	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	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.50	14.40	R
UM	ULTRAMAX	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	2.60	15.00	R
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	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.00	17.40	R
UMF	ULTRAMAX FR	ISOCYANURATE	FACED SINGLE MATERIAL	FBR GLS	ROOF DECK	NO	NO	3.30	19.20	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	23.60	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	25.20	R

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	0.75	5.00	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.00	6.00	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.25	7.80	R
X00	TSX 8500	ISOCYANURATE	FACED SINGLE MATERIAL	METAL FOIL	CLG WALL FLR	YES	YES	1.50	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
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

* 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	TS+ = SOPRA-ISO + TAPERED X	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	TSO = SOPRA-ISO TAPERED X	X00 = TSX 8500
FR = ECOMAXCI FR	SO = SOPRA-ISO X	TSP = TSP	X10 = TSX-8510
FRP = ECOMAXCI FR PLY	SO+ = SOPRA-ISO + X	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 Inc.					T 1419					
VCD	SECURSHIELD CD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.60	R
VCG	SECURSHIELD	ISOCYANURATE	FACED SINGLE MATERIAL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	5.60	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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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
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	5.60	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

Polystyrene Board										
Atlas Molded Products				T 1472						
EPS	THERMALSTAR LW/LRI 10	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**3.6	R
EPS	THERMALSTAR LW/LRI 13	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**3.8	R
EPS	THERMALSTAR LW/LRI 15	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**4.0	R
EPS	THERMALSTAR LW/LRI 25	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	RF WALL FLR	YES	YES	**1.00	**4.2	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

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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* 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".

DuPont de Nemours Inc.				T 1535						
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	0.50	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

Insulfoam				T 1482						
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

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Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or 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 Insulation, LLC			T 1506							
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-Value is calculated in accordance with the "ASHRE Handbook of Fundamentals" using a 1/2" uniform parallel

BHGS - THERMAL INSULATION DIRECTORY
BOARD INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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*DESCRIPTION OF BRAND CODES:
KNG = KINGSPAN INSULATION, LLC

dead air space. The R-Value of this product installed without an air space is 0.9

Owens Corning Foam Insulation LLC					T 1427					
FMR	D-FA, D-PLUS	POLYSTYRENE	FACED SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	**1.00	**5.0	R
FMR	F-1/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 Gamma S.A. de C.V.					T 1470					
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 XVI/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.

Siplast, Inc.					T 1320					
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 - THERMAL INSULATION DIRECTORY

RIGID STOCK INSULATION MANUFACTURERS

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Density Lbs per Cubic Foot	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
Polyisocyanurate Rigid Stock											
Duna USA Inc.						T 1476					

COR	CORAFOAM P20	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	YES	NO	---	---	0.19	K
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* DESCRIPTION OF BRAND CODES:
COR = CORAFOAM

Johns Manville						T 1341					
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

Kingspan Insulation LLC						T 1538					
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

Polystyrene Rigid Stock											
DuPont de Nemours Inc.						T 1535					
XPS	PIPE INSULATION BILLET	POLYSTYRENE	SINGLE MATERIAL	NONE	PIPE	---	YES	1.60	---	0.26	K

* DESCRIPTION OF BRAND CODES:

**BHGS - THERMAL INSULATION DIRECTORY
RIGID STOCK INSULATION MANUFACTURERS**

Brand Code*	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Density Lbs per Cubic Foot	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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XPS = EXTRUDED POLYSTYRENE FOAM

BHGS - THERMAL INSULATION DIRECTORY
FOIL INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Thermal Performance Heatflow Up	Labeled Thermal Performance Heatflow Down	Labeled Thermal Performance Heatflow Level	R, K or C Value
Aluminum Foil System										
Coverttech Flexible Packaging A Division of Balcan Innovation Inc					T 1354					
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

* DESCRIPTION OF BRAND CODES:
CVR = COVERTECH FABRICATING

Environmentally Safe Products Inc.					T 1281					
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					
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

Innovative Insulation Inc.					T 1408						
RXI	BP	BUBBLEPK/FOIL	<u>IN 2X4" APPLICATIONS</u> SINGLE MATERIAL	CLG WALL FLR	YES	YES	5.0	10.08	6.55	R	
RXI	BP	BUBBLEPK/FOIL	<u>IN 2X6" APPLICATIONS</u> 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

BHGS - THERMAL INSULATION DIRECTORY
FOIL INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Thermal Performance Heatflow Up	Labeled Thermal Performance Heatflow Down	Labeled Thermal Performance Heatflow Level	R, K or C Value
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International Insulation Products

					T 1512					
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

* DESCRIPTION OF BRAND CODES:

ESH = INTERNATIONAL INSULATION PRODUCTS

SCA = INTERNATIONAL INSULATION PRODUCTS

SLE = INTERNATIONAL INSULATION PRODUCTS

Reflectix, Inc.

					T 1543					
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
RXI	BP	BUBBLEPK/FOIL	<u>IN 2X4" APPLICATIONS</u> SINGLE MATERIAL	CLG WALL FLR	YES	YES	4.96	10.08	6.55	R
RXI	BP	BUBBLEPK/FOIL	<u>IN 2X6" APPLICATIONS</u> 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-VALUE CLAIMED			

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.

* DESCRIPTION OF BRAND CODES:

RXI = REFLECTIX INC

Resisto

					T 1469					
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

BHGS - THERMAL INSULATION DIRECTORY FOIL INSULATION MANUFACTURERS/PRIVATE LABELS										
Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?	Labeled Thermal Performance Heatflow Up	Labeled Thermal Performance Heatflow Down	Labeled Thermal Performance Heatflow Level	R, K or C Value

* DESCRIPTION OF BRAND CODES:
 AYR = AYR-FOIL

BHGS - THERMAL INSULATION DIRECTORY
FOIL INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?
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Radiant Barrier

Coverttech Flexible Packaging A Division of Balcan Innovation Inc

CVR	NT RAD BARRIER RFOIL	REFLECTIVE FOIL	FACED SINGLE MATERIAL	CLG WALL FLR	YES	YES
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* DESCRIPTION OF BRAND CODES:
CVR = COVERTECH FABRICATING

Fi-Foil Company Inc.

FFC	SILVERSHIELD RB	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.

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.

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

BHGS - THERMAL INSULATION DIRECTORY
FOIL INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder?
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* DESCRIPTION OF BRAND CODES:
 IQ = Insul-Quilts Inc.

International Insulation Products					T 1512	
SSC	SOL-R-SKIN COMPOSITE	REFLECTIVE FOIL	SYSTEM	ROOF DECK	YES	YES

* DESCRIPTION OF BRAND CODES:
 SSC = INTERNATIONAL INSULATION PRODUCTS

Lamtec Corporation					T 1489	
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

**BHGS - THERMAL INSULATION DIRECTORY
FOAM & SPRAY INSULATION MANUFACTURERS**

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder ?	Labeled Thermal Performance per Inch	R, K or C Value
Cellulose Spray or Field Applied								
Applegate Greenfiber Aquisition, LLC					T 1548			
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

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

Mountain Fiber Insulation Inc.					T 1405			
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			
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/ft³

*** = installed at a density of 1.8 lbs/ft³

Polyurethane Spray or Field Applied								
BASF Corporation					T 1153			
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 **	K

** = Initial K-Values

* DESCRIPTION OF BRAND CODES:
BSF = BASF CORP.

**BHGS - THERMAL INSULATION DIRECTORY
FOAM & SPRAY INSULATION MANUFACTURERS**

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder ?	Labeled Thermal Performance per Inch	R, K or C Value
BASF Corporation (Spray-Applied PUF)					T 1423			
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	ENERTITE X	URETHANE	SYSTEM	CLG WALL FLR	YES****	NO	4.10	R
BSF	SKYTITE C3 2.5	URETHANE	SYSTEM	ROOF DECK	---	YES**	6.20	R
BSF	SKYTITE C3 2.8	URETHANE	SYSTEM	ROOF DECK	---	YES**	6.20	R
BSF	SKYTITE C3 3.0	URETHANE	SYSTEM	ROOF DECK	---	YES**	6.20	R
BSF	WALLTITE LWP	URETHANE	SYSTEM	CLG WALL FLR	YES****	YES***	6.90	R
BSF	WALLTITE MAX	URETHANE	SYSTEM	CLG WALL FLR	YES****	YES***	7.40	R
BSF	WALLTITE PLUS	URETHANE	SYSTEM	CLG WALL FLR	YES****	YES***	7.10	R
BSF	WALLTITE XL	URETHANE	SYSTEM	CLG WALL FLR	YES****	YES***	6.90	R

* DESCRIPTION OF BRAND CODES:

BSF = BASF CORP.

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

***-Premeance <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

Carlisle Roof Foam and Coatings					T 1513			
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
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

QF = QUADFOAM

Creative Polymer Solutions, LLC.					T 1549			
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

**BHGS - THERMAL INSULATION DIRECTORY
FOAM & SPRAY INSULATION MANUFACTURERS**

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder ?	Labeled Thermal Performance per Inch	R, K or C Value
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* DESCRIPTION OF BRAND CODES:

AFOC = ACCUFOAM™ OC

AFCC = ACCUFOAM™ CC-HFO

AFCR = ACCUFOAM™ CCR-HFO

DAP Global Inc.		T 1533
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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	HOMESAL	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
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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
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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

**BHGS - THERMAL INSULATION DIRECTORY
FOAM & SPRAY INSULATION MANUFACTURERS**

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder ?	Labeled Thermal Performance per Inch	R, K or C Value
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General Coatings Manufacturing Corporation		T 1491
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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

Henry Company		T 1228
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PMX	RT2035-3.0 HFO ****	URETHANE	SINGLE	ROOF	YES	YES	6.54	R
PMX	RT2045-2.0 HFO ** ***	URETHANE	SINGLE	CLG WALL FLR	NO	YES	6.90	R
PMX	RT3090-0.5	URETHANE	SINGLE	CLG WALL FLR	NO	NO	3.50	R

** WHEN APPLIED AT A MINIMUM THICKNESS OF 2-INCHES THIS PRODUCT ACTS AS A VAPOR RETARDER.

*** WHEN APPLIED AT A MINIMUM THICKNESS OF 2-INCHES THIS MATERIAL HAS A PERM OF 0.83 .

**** WHEN APPLIED AT A MINIMUM THICKNESS OF 1.4-INCHES THIS PRODUCT ACTS AS A VAPOR RETARDER.

* DESCRIPTION OF BRAND CODES:

PMX = PERMAX

Huntsman Building Solutions USA LLC		T 1499
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AGR	AGRIBALANCE	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	4.50	R
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 HL	URETHANE	SYSTEM	CLG WALL FLR	YES	YES	7.50	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
HLX	HEATLOK XT W	URETHANE	SYSTEM	CLG WALL FLR	YES	YES	6.90	R

**BHGS - THERMAL INSULATION DIRECTORY
FOAM & SPRAY INSULATION MANUFACTURERS**

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder ?	Labeled Thermal Performance per Inch	R, K or C Value
HPL	HEATLOK PLUS	URETHANE	SYSTEM	CLG WALL FLR	YES	YES	6.80	R
ICY	CLASSIC	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
LDR	CLASSIC ECO	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R
LPI	FL 500	URETHANE	SYSTEM	WALL	NO	NO	3.80	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
PLS	CLASSIC PLUS	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	4.00	R
SEA	SEALECTION 500	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	3.81	R
V3	PROSEAL	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	7.00	R

** AT 2.3 INCH THICKNESS

* DESCRIPTION OF BRAND CODES:

AGR = AGRIBALANCE

APX = DEMILEC APX

ECO = PROSEAL ECO

HLH = HEATLOK HFO

HLX = HEATLOK XT

HPL = HEATLOK PLUS

ICY = ICYNENE CLASSIC

LDR = ICYNENE LD-R

LPI = LAPOLLA INDUSTRIES

MAX = CLASSIC MAX

MDC = MDC

MDR = MDR

PLS = CLASSIC PLUS

SEA = SEALECTION

V3 = PROSEAL

ICP Building Solutions Group					T 1540			
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
HF	LOW DENSITY LP	URETHANE	SYSTEM	CLG WALL FLR	NO	NO	4.30	R

* DESCRIPTION OF BRAND CODES:

HF = HANDI-FOAM AP = APOC

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

**BHGS - THERMAL INSULATION DIRECTORY
FOAM & SPRAY INSULATION MANUFACTURERS**

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder ?	Labeled Thermal Performance per Inch	R, K or C Value
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***-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

Johns Manville		T 1468
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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

NCFI Polyurethanes		T 1401
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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
T/I	INSULBLOC	POLYURETHANE	SINGLE MATERIAL	CLG WALL FLR	YES	YES	6.40	R

* DESCRIPTION OF BRAND CODES:

END = ENDURATECH

SEA = SEALITE

INS = INSULSTAR

T/I = THERMALSTOP/INSULBLOC

Polyglass USA		T 1529
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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

Rhino Linings Corporation		T 1490
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TGC	THERMAL GUARD CC2 ECO	URETHANE	SINGLE	CLG WALL FLR	NO	YES	6.00	R
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**BHGS - THERMAL INSULATION DIRECTORY
FOAM & SPRAY INSULATION MANUFACTURERS**

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Retarder ?	Labeled Thermal Performance per Inch	R, K or C Value
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

SES Foam LLC					T 1492			
SES	EASYSEAL.5	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.80	R
SES	NEXSEAL 2.0	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	YES	7.10	R
SES	SUCRASEAL 0.5	URETHANE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	3.70	R

* DESCRIPTION OF BRAND CODES:
SES = SES FOAM

SWD Urethane Company					T 1031			
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

* DESCRIPTION OF BRAND CODES:
SWD = SOUTHWEST DISTRIBUTING

BHGS - THERMAL INSULATION DIRECTORY
LOOSE FILL INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Design Density Lbs per Cubic Foot	Labeled Thermal Performance per Inch
Cellulose Fiber Loose Fill								
Applegate Greenfiber Aquisition, LLC					T 1548			
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
CC	NATURAL FIBER BLENDED	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	1.40	3.70 R
CC	NATURAL FIBER BORATE	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	1.60	3.70 R
MAX	MAXSHREDZ	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	1.50	3.60 R
PRO	PROSHREDZ	CELLULOSE	SINGLE MATERIAL	CEILING	NO	NO	1.50	3.60 R
SP	SUPREME PLUS	CELLULOSE	SINGLE MATERIAL	CLG WALL FLR	NO	NO	1.50	3.60 R
SS	SMARTSHREDZ	CELLULOSE	SINGLE MATERIAL	CEILING	NO	NO	1.50	3.60 R

* DESCRIPTION OF BRAND CODES:

APP = APPLGATE INSULATION SYSTEMS, LLC

CC = COCOON

MAX = MAXSHREDZ

PRO = PROSHREDZ

SS = SMARTSHREDZ

SP = SUPREME PLUS

Mountain Fiber Insulation Inc.					T 1405			
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 Fill								
Certaiteed Corporation					T 1023			
CT	EVERTHERM	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.67	2.18 R
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
CT	OPTIMA	FIBER GLASS	SINGLE MATERIAL	WALL	NO	NO	1.60	4.06 R
CT	OPTIMA	FIBER GLASS	SINGLE MATERIAL	WALL FLR	NO	NO	1.80	4.20 R

BHGS - THERMAL INSULATION DIRECTORY
LOOSE FILL INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Design Density Lbs per Cubic Foot	Labeled Thermal Performance per Inch	
CT	TRUECOMFORT	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.45	2.43	R
CT	TRUECOMFORT	FIBER GLASS	SINGLE MATERIAL	WALL	NO	NO	2.00	4.25	R
CT	ULTRACOMFORT	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO	0.45	2.43	R
CT	ULTRACOMFORT	FIBER GLASS	SINGLE MATERIAL	WALL	YES	NO	2.00	4.25	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 = CERTAINTED

Johns Manville					T 1039				
JM	ATTIC PROTECTOR	FIBER GLASS	SINGLE MATERIAL	CEILING	YES	NO			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

*DESCRIPTION OF BRAND CODES:
JM = JOHNS MANVILLE

Knauf Insulation					T 1002				
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 Systems LLC					T 1428				
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BHGS - THERMAL INSULATION DIRECTORY
LOOSE FILL INSULATION MANUFACTURERS/PRIVATE LABELS

Brand Code*	Product ID	Material	Type	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Design Density Lbs per Cubic Foot	Labeled Thermal Performance per Inch	
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 = FIBERGLASS

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
Cellulose Fiber Water Heater, Duct & Pipe Wrap										
Borice! Corporation DBA Bonded Logic, Inc.					T 1550					
UTT	ULTRATOUCHR6.7	CELLULOSE	FACED SINGLE MATL	FOIL	WTR HTR	YES	NO	1.80	6.70	R

* DESCRIPTION OF BRAND CODES:
UTT = ULTRATOUCH

Mineral Fiber Water Heater, Duct & Pipe Wrap										
Certaiteed Corporation					T 1023					
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	FACED SINGLE MATERIAL	METAL	DUCTS PIPES	YES	YES	4.00	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	DUCTS PIPES	YES	YES	1.00	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	DUCTS PIPES	YES	YES	1.50	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	DUCTS PIPES	YES	YES	2.00	0.24	K
CT	CRIMPWRAP	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	DUCTS PIPES	YES	YES	2.50	0.24	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	0.25	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

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	1.00	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	1.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	2.00	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	2.50	0.25	K
CT	CRIMPWRAP 2	FIBER GLASS	FACED SINGLE MATERIAL	FSP	DUCTS PIPES	YES	YES	3.00	0.25	K
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	2.25	6.50	R
CT	DUCT WRAP-75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.50	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	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	5.70	R
CT	DUCT WRAP-75	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.125	6.00	R
CT	DUCT WRAP-75	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.25	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	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.50	R
CT	DUCT WRAP-100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	6.10	R
CT	DUCT WRAP-100	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	3.00	R
CT	DUCT WRAP-100	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.50	R
CT	DUCT WRAP-100	FIBER GLASS	VINYL FCD SGL MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	6.10	R
CT	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

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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
CT	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	IFD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.125	4.20	R
CT	IFD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.625	6.00	R
CT	IFD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.125	8.00	R
CT	PIPE INSULATION	FIBER GLASS	ASJ FCD SGL MATERIAL	PAPER	PIPE	YES	YES	0.50	0.23	K
CT	PIPE INSULATION	FIBER GLASS	ASJ FCD SGL MATERIAL	PAPER	PIPE	YES	YES	1.00	0.23	K
CT	PIPE INSULATION	FIBER GLASS	ASJ FCD SGL MATERIAL	PAPER	PIPE	YES	YES	1.50	0.23	K
CT	PIPE INSULATION	FIBER GLASS	ASJ FCD SGL MATERIAL	PAPER	PIPE	YES	YES	2.00	0.23	K
CT	PIPE INSULATION	FIBER GLASS	SINGLE MATERIAL	NONE	PIPE	YES	NO	0.50	0.23	K
CT	PIPE INSULATION	FIBER GLASS	SINGLE MATERIAL	NONE	PIPE	YES	NO	1.00	0.23	K
CT	PIPE INSULATION	FIBER GLASS	SINGLE MATERIAL	NONE	PIPE	YES	NO	1.50	0.23	K
CT	PIPE INSULATION	FIBER GLASS	SINGLE MATERIAL	NONE	PIPE	YES	NO	2.00	0.23	K
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
CT	TOUGHGARD R DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	8.30	R
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.24	K
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.26	K
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	2.00	R
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	0.50	2.10	R
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.24	K
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.27	K
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.28	K
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	4.00	R
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.00	4.20	R
CT	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
CT	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
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	1.50	6.30	R
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.24	K
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.27	K
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.28	K
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	8.00	R
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	COATED SGL MATERIAL	OTHER	DUCTS	YES	NO	2.00	8.30	R
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.56	2.10	R
CT	TOUGHGARD T DUCT LINER	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.20	4.20	R
CT	TOUGHGARD ULTRAROUND	FIBER GLASS	FSK FACED COMPOSITE	MTL/FAB	DUCTS	YES	NO	1.00	4.30	R
CT	TOUGHGARD ULTRAROUND	FIBER GLASS	FSK FACED COMPOSITE	MTL/FAB	DUCTS	YES	NO	1.50	6.50	R
CT	TOUGHGARD ULTRAROUND	FIBER GLASS	FSK FACED COMPOSITE	MTL/FAB	DUCTS	YES	NO	2.00	8.70	R

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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* DESCRIPTION OF BRAND CODES:
CT = CERTAINTED

Johns Manville					T 1039					
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
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

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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
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

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	0.38	0.29	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.31	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.25	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.27	K
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	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

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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	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
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	K
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	K
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	K
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**	K
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

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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	K
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
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	K
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	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	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

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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	K
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	0.27	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	0.30	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	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	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.32	K
JM	SG SERIES SPIN-GLAS SG32	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	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
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	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

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	SPIN-GLAS WH XG / RANGE-GLAS XG - 1.02 PCF	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.26	K
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
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	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	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

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* DESCRIPTION OF BRAND CODES:

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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JM = JOHNS MANVILLE

Knauf Insulation					T 1002					
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	K
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	1.50	0.23	K
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	K
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	K
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	4.00	0.23	K
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	K
KNF	ALLEY-K	FIBER GLASS	FACED SINGLE MATERIAL	PAPER	PIPES	YES	YES	5.50	0.23	K
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
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	3.80	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	5.00	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.19	5.50	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.50	6.25	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	3.00	7.50	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	3.80	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	5.00	R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	3.00	7.50	R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.10	R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	5.30	R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.10	R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	5.30	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.00	2.90	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	1.50	4.40	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATERIAL	METAL	DUCTS	YES	YES	2.00	5.80	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	4.40	R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	5.80	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.50	R

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	3.80	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.00	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.19	5.50	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	6.20	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	6.25	R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	7.50	R
KNF	DTWP PLN 1.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.10	R
KNF	DTWP PLN 1.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.30	R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	1.50	3.80	R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	2.00	5.00	R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATERIAL	PLASTIC	DUCTS	YES	YES	3.00	7.50	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	K
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
KNF	REDI-KLAD 1000°	FIBER GLASS	FACED SINGLE MATERIAL	METAL	PIPES	YES	YES	1.50	0.23	K
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	K

* DESCRIPTION OF BRAND CODES:
KNF = KNAUF INSULATION

Owens Corning Insulating Systems LLC					T 1428					
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

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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	K
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	K
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	K
FG	FLEXWRAP-FRK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.00	0.23	K
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	K
FG	FLEXWRAP-FRK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	3.00	0.23	K
FG	FLEXWRAP-PSK	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	EQUIP/PIPES	YES	YES	1.00	0.23	K
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	K
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	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	4.00	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	4.50	0.25	K

BHGS - THERMAL INSULATION DIRECTORY
WATER HEATER, DUCT, PIPE WRAP
INSULATION MANUFACTURERS

Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	5.00	0.25	K
FG	PIPE INSUL -ASJ MAX-SSL MAX	FIBER GLASS	FACED SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	5.50	0.25	K
FG	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
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

Polyisocyanurate Water Heater, Duct & Pipe Wrap										
Johns Manville					T 1341					
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

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Brand Code	Product ID	Material	Type	Facing	Primary Use	Designed for Exposed Applications?	Acts as a Vapor Barrier?	Labeled Product Thickness Inches	Labeled Thermal Performance	R, K or C Value
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