DURAFOAM®

Polyisocyanurate/DuraBoard® Roof Insulation

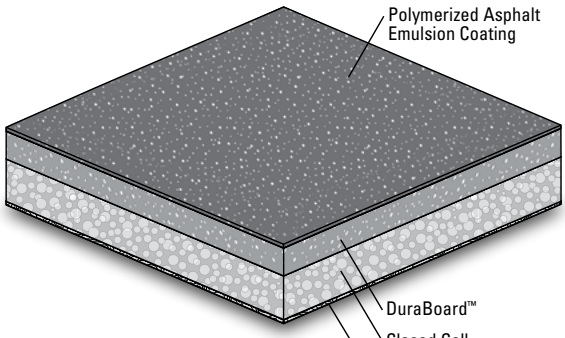
Meets the requirements of ASTM C 1289, Type III

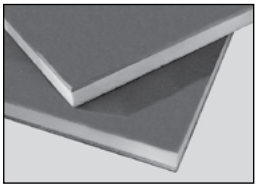
Features and Components

Polymerized Asphalt Emulsion Coating: Allows for the direct application of SBS or APP membranes utilizing heat-weld application techniques.

Rigid Roof Insulation Board: Composed of a closed cell polyisocyanurate foam core bonded in the foaming process to 1/2" thick DuraBoard®, an expanded perlite mineral aggregate board, on one side, and a fiber glass reinforced facer on the other. It's light weight provides ease of handling.

High Thermal Efficiency: Utilizes an environmentally compliant blowing agent containing pentane hydrocarbon to enhance the thermal performance of the foam insulation.





Component
I Insulation
Multi-Ply

Type
HT High Thermal
CP Composite

System Compatibility

This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS			
	HA	CA	CA	HW	HA	CA	HW	SA
	Compatible with the selected Multi-Ply systems above							

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	FA	BA
	Do not use with Single Ply systems						

Key: **HA** = Hot Applied **CA** = Cold Applied **HW** = Heat Weldable **SA** = Self Adhered **MF** = Mechanically Fastened **FA** = Fully Adhered **BA** = Ballasted

Energy and the Environment

LEED®	Recycled Content	Varies with thickness, see *Product Data and Packaging* table on back page.
Produced with environmentally compliant pentane blowing agent with zero ozone depletion (conforms to the Montreal Protocol of 1987).		

Peak Advantage® Guarantee Information

Systems
For use in approved JM Peak Advantage Roofing Guarantees

Codes and Approvals

- FM® Standards 4450/4470 Approvals (refer to FM RoofNav℠)
- Meets the requirements of CAN/ULC S704
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1341
- Complies with EPA requirements and meets Clean Air Act Amendments of 1990
- Third-party certification with the PIMA Quality Mark™ for Long-Term Thermal Resistance (LTTR) values

Installation/Application

Hot Asphalt | Cold Applied | Urethane Adhesive | Mechanically Fastened

Refer to the application instructions guidelines for proper utilization of this product.

Flute Span:
Width of Rib Opening: Up to $4\frac{5}{8}$" (11.75 cm)
Insulation Thickness *(min)*: 1.5" (3.81 cm)

Packaging and Dimensions

Sizes[1]	4' x 4' (1.22 m x 1.22 m)	4' x 8' (1.22 m x 2.44 m)
Producing Locations	Bremen, IN Cornwall, ONT Fernley, NV Hazleton, PA Jacksonville, FL	
Stocking Locations[2]	Grand Prairie, TX Southgate, CA Tracy, CA	

1. For available thicknesses, see *Product Data and Packaging* table on back side of this data sheet. Other sizes available by special request, some sizes are not stocked and special order with minimum order quantities. Contact your JM Sales Representative for details.
2. Not all sizes, thicknesses, and products are stocked at all locations, please call Customer Service at 1-877-766-3295.

Refer to the Material Safety Data Sheet and product label prior to using this product. The Material Safety Data Sheet is available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

Note: Technical information on this data sheet is intended to be used as a general guideline only and is subject to change without notice. Contact your JM Sales Representative for further details.

Johns Manville

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Typical Physical Properties

Test		ASTM	Values
Strength	Laminar Tensile Strength	C 209	4 psi (28 kPa)
	Compressive Resistance* 10% Consolidation	C 1621	20 psi (138 kPa) *(nom)*
	Dimensional Stability Change – 7 days @ 158°F (70°C), 90-100% RH	D 2126	Lengthwise <2%, Crosswise <2%
Moisture	Moisture Vapor Permeance	E 96	<1 perm, 57.5 ng/(Pa•s•m^2)
	Water Absorption, % by Vol. (2 hr)	C 209	<1.5% *(max)*
Insulation	Service Temperature	D 1623	-100°F – 250°F (-73°C – 121°C)
	Flame Spread, *(foam core)*	E 84	20-30
	Smoke Developed, *(foam core)*	E 84	55-250

Product Data and Packaging

Thickness		Long-Term Thermal Resistance (LTTR) Values[1]		Recycled Content[2]			Boards per Pallet	Square Feet per Pallet		Pallets per Truck[3]	
in.	mm	(hr•ft^2•°F)/BTU	m^2•°C/W	% Pre-Consumer	% Post-Consumer	% Total	4x4 and 4x8	4x4	4x8	4x4	4x8
1.5	38	6.9	1.22	5	34	36	32	512	1024	48	24
1.8	46	8.6	1.52	5	31	36	25	400	800		
2.0	51	9.8	1.72	6	30	35	24	384	768		
2.3	58	11.5	2.02	7	29	35	20	320	640		
2.5	64	12.6	2.22	7	28	35	19	304	608		
2.6	66	13.2	2.32	7	28	34	18	288	576		
2.8	71	14.4	2.54	7	26	34	16	256	512		
3.0	76	15.6	2.75	8	25	34	16	256	512		
3.5	89	18.6	3.28	8	23	33	13	208	416		
3.7	94	19.8	3.48	9	22	33	12	192	384		
4.0	102	21.7	3.82	9	20	32	12	192	384		

1. The Long-Term Thermal Resistance (LTTR) values were determined in accordance with CAN/ULC S770 at 75°F (24°C). The ultimate R-Value of these products will depend on individual installation circumstances. 2. Value represents average results. 3. Assumes 48' flatbed truck.

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