BUILDING PRODUCTS OF CANADA CORP.

TECHNICAL DATA SHEET
ROOF INSULATORS

BP ESGARD HIGH RESISTANCE ROOF INSULATOR

DESCRIPTION:

BP ESGARD High Resistance Roof Insulators are composed of interlocking wood fibers impregnated with a water-repellent petroleum wax emulsion that imparts a high resistance to water absorption.

BP ESGARD High Resistance Roof Insulators have a very good insulation property. This product increases the rigidity and strength of the roof system. It provides an excellent substratum for the roofing membranes and it is an ideal surface for the application of hot asphalt.

BP ESGARD High Resistance Roof Insulators are available uncoated, impregnated with an asphalt emulsion or coated either with an asphalt or a regular coating. The emulsion or coating reduces asphalt penetration.

USES:

BP ESGARD High Resistance Roof Insulators can be used as follows: as a roof insulator, as a cap sheet over other insulations, as a separation board between old and new roofs, as an underlay on steel deck applications and as raw material in the making of slope insulation or cant strips.

MAINTENANCE:

BP ESGARD High Resistance Roof Insulators must be stored above the deck or the ground level and adequately protected from the elements with tarpaulins.

ROOF INSULATORS

SKU	Roof Insulator Description	CAN/ULC-S706.1		Coverage/ Bundle	Bundles/ Pallet
		Type	Class		
BRC0544H1B*	Coated with asphalt on 1 side	II	2	142.6 m^2 (1536 ft^2)	96
BRC0544H6B*	Coated with asphalt on 6 sides	II	2		
BRC0548H1B*	Coated with asphalt on 1 side	II	2	285.4 m^2 (3072 ft^2)	
BRC0548H6B*	Coated with asphalt on 6 sides	II	2		
BRN1024H0S	Natural	I	2	71.3 m^2 (768 ft^2)	
BRC1024H1S	Coated with asphalt on 1 side	II	2		
BRI1024HNS	Impregnated on 1 side with an asphalt emulsion	II	2		

CHARACTERISTICS	UNITS		RESULTS BP		REQUIREMENTS				TEST METHOD
	METRIC	IMPERIAL	METRIC	IMPERIAL	METRIC		IMPERIAL		ASTM
Thermal Resistance, 25.4 mm (1")	RSI	R	0.528	3.0	0.455		2.58		C518
Transverse Load at Rupture, average min, Type I & II, Class 1 & 2	N	lbf	Pass	Pass	½"	1"	½"	1"	C209
					50	160	11	36	
Compressive Strength @ 10% deformation, Min.	kPa	psi	Pass	Pass	100		14.5		C165-A
Tensile Parallel to Surface, (machine direction) Min.	kPa	psi	Pass	Pass	1000		145		C209
Tensile Perpendicular to Surface, Min.	kPa	Psi	Pass	Pass	30		4.3		C209
Linear Moisture Expansion Max	%	%	Pass	Pass	0.5		0.5		D1037
Water Absorption Max.	%	%	Pass	Pass	10		10		C209

APPLICABLE STANDARDS

CAN/ULC-S706.1 Type I & II, Class 1 & 2;

CCMC #03240-L

*** - FM Approved**

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