



BUILDING PRODUCTS OF CANADA CORP

# TECHNICAL DATA SHEET

## ROOF INSULATORS

### BP ESGARD HIGH DENSITY ROOF INSULATOR

#### DESCRIPTION:

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

BP ESGARD High Density 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 Density 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 Density 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 Density 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-S706-09		Coverage/ Bundle	Bundles/ Pallet
		Type	Class		
BRC0524R1Z*	Coated with asphalt on 1 side	II	1	71.3 m <sup>2</sup> (768 ft <sup>2</sup> )	96
BRN0544ROB*	Natural	I	1	142.6 m <sup>2</sup> (1536 ft <sup>2</sup> )	
BRI0544RNB	Impregnated on 1 side with an asphalt emulsion	II	1		
BRN0548ROB*	Natural	I	1	285.4 m <sup>2</sup> (3072 ft <sup>2</sup> )	
BRC0548R6B*	Coated with asphalt on 6 sides	II	1		
BRI0548R5B	Impregnated on 1 side with an asphalt emulsion and coated with asphalt on the other side	II	1		
BRI1024HNS	Impregnated on 1 side with an asphalt emulsion	II	2	71.3 m <sup>2</sup> (768 ft <sup>2</sup> )	

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	2.6	C518
Transverse Load at Rupture, average min, Type I & II - Class 1	N	lbf	Pass	Pass	½"	1"	C209
					30	60	
Transverse Load at Rupture, average min, Type I & II - Class 2	N	lbf	Pass	Pass	½"	1"	C209
					50	160	
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-S706-09 Type I & II, Class 1 & 2 ;  
CCMC #03240-L  
\* - FM Approved