

ROXUL®

FIRESAFE INSULATION

PRODUCT DATA SHEET

Roxul® Multi Purpose Blanket (MPB)

A Flexible Blanket Designed For General Insulation Applications

Benefits

Good recovery / Good handability / Simple and fast installation / Water repellent / Economical in use



Firesafe



Water Repellent



Thermal Comfort



Noise Absorbing



Mechanical Strength



Environmentally Friendly

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GENERAL CHARACTERISTICS OF ROXUL® ROCKWOOL® PRODUCTS: NON-COMBUSTIBLE, WATER REPELLENT, VERMIN & ROT PROOF, ASBESTOS, CFC AND HCFC FREE PRODUCT & PROCESS, CHEMICALLY INERT, EASY TO HANDLE & CUT, MAINTENANCE FREE.

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A Flexible Blanket Designed For General Insulation Applications

GENERAL PRODUCT INFORMATION

Roxul stone wool products are made from rock and are therefore non-combustible with a melting point of more than 1,000 °C. Roxul stone wool products are particularly suitable for thermal insulation, fire protection and sound reduction/absorption.

PACKAGING & STORAGE

Roxul MPB is shrink-wrapped in branded polyethylene sheets for ease of handling, transportation, storage and identification. Product should be stored indoors or under a waterproof covering. For the recommended guidelines on proper storage and handling practices, please refer to Roxul Asia.

COMMON APPLICATIONS

Roxul MPB (Multi Purpose Blanket) is a lightweight insulation blanket manufactured in a variety of thicknesses, suitable for thermal insulation in residential, commercial and industrial buildings. Roxul MPB is supplied in compressed roll form for ease of installation over large areas.

Roxul MPB is especially suitable for lining metal deck and metal tile roofs to reduce heat load and improve acoustical performance. It reduces heat flow into the building structure, acts as a sound absorber and effectively reduces sound reverberation.

DIMENSIONS

Thickness (mm)	≥65	50	75	100
Length x width (mm)	5000 x 1200	5000 x 1200	4000 x 1200	4000 x 1200
m ² / packet	6.0	6.0	4.8	4.8
Nominal Density (kg/m ³)	40	50-100		40

FOR ADDITIONAL SIZES, PLEASE CONTACT OUR CUSTOMER SERVICE REPRESENTATIVES.

TECHNICAL PARAMETERS

Product Type	MPB 100	MPB 200	MPB 300	MPB 400	MPB 500	Standards		
Nominal Density (kg/m ³)	40	50	60	80	100			
Thermal Resistance (R-value) in m ² K/W	65mm 1.80	50mm 1.43	50mm 1.47	50mm 1.52	50mm 1.56	ASTM C1045		
Thermal Conductivity* ¹ at Mean Temperature 20°C λ Value (W/mK)	0.036	0.035	0.034	0.033	0.032	ASTM C518		
Sound Absorption* ² (BSEN 20354: 1993)	Frequency Hz							
	125	250	500	1000	2000	4000	5000	NRC
	0.20	0.60	0.95	0.95	0.95	0.90	0.88	0.85
Fire Performance	Non-combustible (without facing)					BS 476 Part 4		
Early Fire Hazard Indices	Class O (Spread of Flame / Smoke Development)					BS 476 Part 6 & 7		
Moisture Resistance	Absorb less than 0.04%					ASTM C1104 / C1104M		
Water Absorption (partial immersion)	< 1kg/m ²					EN 1609		

Note:
*¹ THERMAL CONDUCTIVITY VALUES ARE EXTRAPOLATED FROM THE TESTED RESULTS OF 40KG/M³, 100KG/M³ AND 175KG/M³ DENSITIES PRODUCTS.

*² SOUND ABSORPTION VALUES ARE FOR MPS 200 X 50MM THICK PRODUCT. NRC VALUE CALCULATED TO ASTM C423-01. TEST RESULTS ARE AVAILABLE UPON REQUEST.

THE INFORMATION CONTAINED IN THIS DATA SHEET IS BELIEVED TO BE CORRECT AT THE DATE OF PUBLICATION. ROXUL ASIA SDN BHD DOES NOT ACCEPT RESPONSIBILITY FOR THE CONSEQUENCES OF USING ROXUL MPB IN APPLICATIONS DIFFERENT FROM THOSE DESCRIBED ABOVE.



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