



RockTech B (Blanket) Series

General Product Information

ROCKWOOL stone wool products are made of basalt, a volcanic stone.

ROCKWOOL stone wool products are non-combustible with a melting point of approximately 1000°C. They are particularly suitable for thermal insulation, fire protection and sound reduction/absorption.

ROCKWOOL stone wool is inorganic and contains no nutritious substance. Therefore it will not be attacked by microorganisms. Stone wool will not rot and does not attract vermin.

No CFCs, HFCs, HCFCs or asbestos are used in the manufacture of ROCKWOOL stone wool products.

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Common applications

RockTech B is a lightweight insulation blanket manufactured in a variety of thicknesses, suitable for thermal insulation, fire protection and sound attenuation of both flat and curved surfaces of tanks, vessels, boilers and ducts. It is supplied in compressed roll form for ease of installation over large areas.

Dimensions and densities

Product type	Thickness (mm)	Length x Width (mm)	Nominal Density (kg/m ³)
B350	50	5000 x 600	60
	75	2500 x 600	
B450	50	5000 x 600	80
	75	2500 x 600	
B650	50	5000 x 600	100
	75	2500 x 600	

Packaging and storage

RockTech B is shrink-wrapped in polyethylene sheets for ease of handling, transportation, storage and identification. Products should be stored indoors or under a waterproof covering. For the recommended guidelines on proper storage and handling practices, please refer to your local representative.

Thermal conductivity

Mean Temperatures °C	Thermal conductivity (W/mK)		
	RockTech B350	RockTech B450	RockTech B650
24	0.038	0.036	0.036
38	0.040	0.039	0.039
93	0.052	0.049	0.049
149	0.066	0.062	0.062
204		0.079	0.079
260		0.101	0.101
316			0.128
371			0.163

Note: Thermal conductivity of RockTech B meets the ASTM C553: Standard Specification For Mineral Fiber Blanket Thermal Insulation For Commercial and Industrial Applications. For actual results, please refer to your local representatives.

Technical Parameters

Product Types	B350	B450	B650	Standards
Maximum Service Temperature [°C]	350	450	650	ASTM C411
Fire Performance	Non-combustible and A1 Fire Classification			ASTM E 136 and EN 13501-1
Water Absorption	RockTech B products are highly water repellent, non-hygroscopic and non-capillary. The products are tested in accordance to BS 2972 (partial immersion) / EN1609 (≤ 0.5kg/m ²).			
Water Vapour Sorption	The water vapour sorption is tested in accordance with ASTM C 1104/C 1104 M is ≤ 0.04% (vol.).			
Corrosion Resistance	ROCKWOOL stone wool does not attack or damage other materials with which it comes into contact, neither does it further the corrosion of metal. No aggressive gasses are released when influenced by fire. RockTech B meets the requirements for use over stainless steel in accordance with ASTM C 795.			
Compliance to Standards	RockTech B conforms to BS 3958 Part 5, 'Specification for bonded man-made mineral fibre slabs', 'Thermal Insulating materials on pipes, ductwork and equipment'. Conforms to ASTM C553 'Standard Specification for Mineral Fibre Blanket Thermal Insulation For Commercial and Industrial Applications'.			



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Disclaimer: The information contained in this data sheet is believed to be correct at the date of publication. ROCKWOOL does not accept responsibility for the consequences of using RockTech B in applications different from those described above.