



ROCKWOOL RockBarrier (Lamella for ETICS)



General Product Information

ROCKWOOL stone wool products are mainly made of natural stone.

ROCKWOOL stone wool products are non-combustible with a melting point of approximately 1000°C. They are specially formulated to provide fire protection, thermal insulation and sound reduction/absorption. No CFCs, HFCs, HCFCs or asbestos are used in the manufacture of ROCKWOOL stone wool products.

ROCKWOOL RockBarrier is a Class-A non-combustible insulation product designed for external wall insulation.

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Common Applications

ROCKWOOL RockBarrier is designed for use in External Thermal Insulation Composite System (ETICS) on solid substrates such as concrete wall or brick wall of new buildings or existing buildings for retrofit. RockBarrier is used as fire barrier for ETICS of non-class A fire-classification insulation.

RockBarrier has excellent compressive and tensile strength properties, very low water absorption and moisture absorption, and is dimensionally stable over time. With its compatibility with most rendering façade systems, RockBarrier is ideal for ETICS to provide effective thermal insulation and fire protection.

Packaging and Storage

RockBarrier is shrink-wrapped in polyethylene sheets for ease of handling, transportation, storage and identification. Do not expose the product directly to water source (rain or snow) during transportation, handling and storage, and prevent packaging from damage. RockBarrier should be stored in ventilated indoor space, or temporarily outdoor on elevated base and fully covered from rain or snow.

Technical Parameters

Product Types	RB-L100	RB-L120	Unit	Standard
Compressive Strength	≥ 60	≥ 80	kPa	GB 13480
Tensile Strength	≥ 120	≥ 150	kPa	JG 149-2003
Thermal Conductivity (λ 25 °C)	≤ 0.045	≤ 0.045	W/mK	GB/T 10295
Fire Performance	Non-combustible/Reaction to fire class not lower than A1		-	GB/T 8624
Water Repellence	≥ 99		%	GB/T 10299
Water Absorption (Partial Immersion)	≤ 0.5		kg/m ²	GB/T 25975-2010
Water Vapour Absorption	≤ 0.2		% by vol.	GB/T 5480
Dimension Stability	≤ 1.0		%	GB/T 8811
Thermal Stability	≤ 1.0		%	ASTM C356
Vapour Diffusion Resistance Factor	≤ 4.0		-	GB/T 17146
Acidity Ratio	≥ 1.8		-	GB/T 5480
Melting Point	> 1000		°C	DIN4102-17

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

ROCKWOOL

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Product Features

- Compression and tensile strength meets the standard for ETICS.
- Non-combustible and meets the highest fire classification rating.
- Does not produce burning droplets, promote flashover or release toxic gases during a fire.
- Water repellent and moisture resistant.
- Excellent thermal insulation. Provide building with high thermal resistant envelope to reduce energy bills and CO₂ emission.
- Corrosion resistance to metal components.
- Its open fibre structure provides excellent sound absorbing properties.
- Easy to cut and handle.

Dimensions

Standard Sizes & Densities

	L100	L120
Nominal Density(kg/m ³)	100	120
Length x Width(mm)	1100 x 150 1100 x 200	
Thickness (mm)	50 -120	

Please contact your local sales representatives for sizes and densities not stated in the product sheet.