

# BEWI External Wall Insulation - Mineral Wool

## Technical Datasheet

BEWI Mineral Wool EWI is manufactured from high density non-combustible stone wool for mechanically fixed external wall insulation systems.

Compatible with various render and cladding systems, including brick slips, render systems, and timber or plastic weatherboarding

### Key Benefits

- Easy and quick application
- High insulation performance
- Excellent mechanical properties
- Dimensionally stable
- Helps to achieve a high quality rendered surface
- Insulates for the life of the building
- Reaction to Fire Class A1 (non-combustible)
- Helps reduce sound transmission

### Dimensions:

Standard size: 1200mm x 600mm  
Standard thickness: From 60mm – 230mm

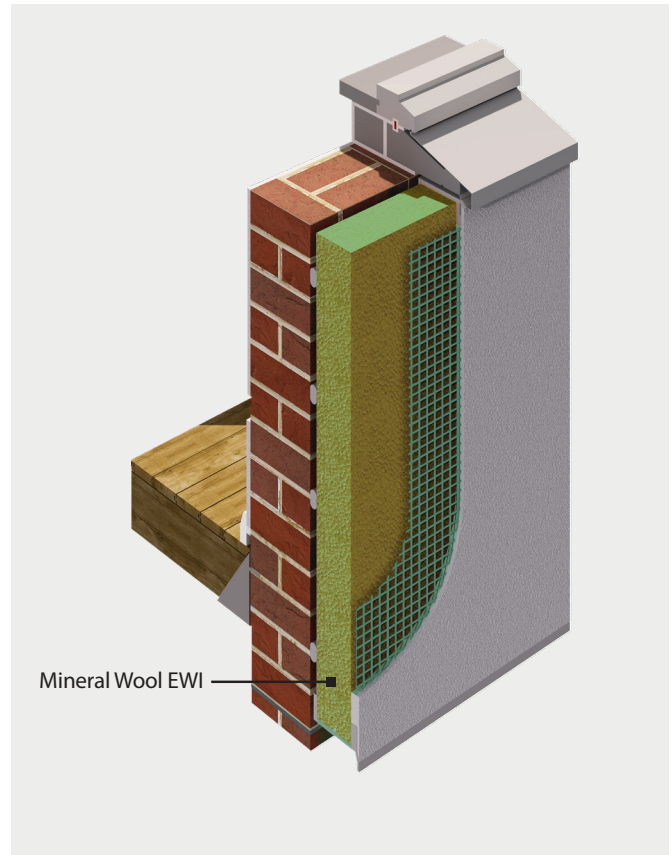
### Type

BEWI Mineral Wool EWI is manufactured from stone wool crimped fibres bonded with a synthetic binder in accordance with BS EN 13162 and achieves Reaction to Fire Class A1 (non-combustible).

BEWI Mineral Wool EWI offers a stable base for rendered finishes.

### Easy to install

BEWI Mineral Wool EWI is a component in an external wall insulation system and installation is to be completed by an approved installer. Installation of EWI systems must meet the requirements of the Building Regulations and any other applicable regulatory requirements.



### Permanent

BEWI Mineral Wool EWI is durable and will remain effective for the life of the building; recommended fixing methods will retain the boards permanently in position.

### Fire

BEWI Mineral Wool EWI is non-combustible and can be used as insulation in EWI systems for high rise buildings.

Please seek advice from the system supplier as to the performance of the overall installation and refer to the national Building Regulations for types of buildings and any product restrictions / exclusions that may apply prior to use and or inclusion in any specification.

For more information:

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### Thermal Resistance (R-Values)

#### Board Thickness

60mm	1.65m <sup>2</sup> K/W
70mm	1.90m <sup>2</sup> K/W
80mm	2.20m <sup>2</sup> K/W
90mm	2.50m <sup>2</sup> K/W
100mm	2.75m <sup>2</sup> K/W
110mm	3.05m <sup>2</sup> K/W
120mm	3.30m <sup>2</sup> K/W
130mm	3.60m <sup>2</sup> K/W
140mm	3.85m <sup>2</sup> K/W
150mm	4.15m <sup>2</sup> K/W
160mm	4.40m <sup>2</sup> K/W
170mm	4.70m <sup>2</sup> K/W
180mm	5.00m <sup>2</sup> K/W
190mm	5.25m <sup>2</sup> K/W
200mm	5.55m <sup>2</sup> K/W
210mm	5.80m <sup>2</sup> K/W
220mm	6.10m <sup>2</sup> K/W
230mm	6.35m <sup>2</sup> K/W

### Properties

Thermal Conductivity	0.036 W/mK
Fire Reaction	Euroclass A1
Water Absorption Factor	Ws ≤ 1.00kg/m <sup>2</sup>
Water Vapour Diffusion Factor	μ = 1
Dimensional Stability	DS70/90 (70°C/90%HR): The relative deviation (length and width) doesn't exceed 0,0%
Tensile Strength Perpendicular to faces	≥ 7.5 KPa
Compressive strength @ 10% nominal strain (kPa)	≥ 30 KPa

### Handling & Storage

Product should be stored indoors or under a waterproof covering.

### Compliance

BEWI Mineral Wool EWI conforms to the required properties as defined in BS EN 13162 - Thermal Insulation products for buildings - Factory made mineral wool (MW) products - Specification.

Disclaimer: Every effort has been made to ensure the correctness of the information provided in this data sheet and is based on data and knowledge accurate at the time of production. It is designed for experienced professionals in the building and construction industry and does not offer a complete overview of industry practices. Therefore, this cannot guarantee the performance results, as usage and installation conditions are outside our control. If you have any questions regarding the suitability of the application, please contact us.

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