



Apr 2012

Rocksilk EWI Slab and EWI Slab Plus

For external walls

Description

Rocksilk EWI Slab and EWI Slab Plus are high strength, rock mineral wool slabs with a water repellent additive specifically designed for use in external wall insulation systems.

Application

Rocksilk EWI Slab and EWI Slab Plus are specifically for use with external wall insulation systems. The slabs can be either adhered and mechanically fixed or just mechanically fixed to the substrate then overlaid with a mesh and render system to the designers/system suppliers specification. The slabs offer a solid and robust supporting substrate for the render and no fire stops are required.

NOTE: It is the responsibility of the customer and end user to satisfy themselves, that this product is suitable for use and fit for purpose with the selected system. The end user is relying on their own expertise and judgements as to whether the insulation is suitable for their needs.

Standards

Rocksilk EWI Slab and EWI Slab Plus are manufactured in accordance with BS EN 13162:2008, EN 16001:2009 Energy Management Systems, OHSAS 18001:2007 Occupational Health and Safety Management Systems, ISO 14001:2004 Environmental Management Systems, and ISO 9001:2008 Quality Management Systems, as certified by Bureau Veritas.

Performance

Thermal

Rocksilk EWI Slab has a thermal conductivity of 0.036 W/mK.

Rocksilk EWI Slab Plus has a thermal conductivity of 0.038 W/mK.

Fire

Rocksilk EWI Slab and EWI Slab Plus are classified as Euroclass A1 to BS EN ISO 13501-1.

Benefits

- Offers solid support to render
- No fire stops required
- Excellent thermal performance
- Excellent acoustic insulation



Move Forward with Confidence

Rocksilk EWI Slab and EWI Slab Plus

Fire performance

Rocksilk EWI Slab and EWI Slab Plus are classified as Euroclass A1 BS EN ISO 13501-1. In the event of a fire it will emit negligible quantities of smoke and fumes and the heat emission from the product is insignificant.

Durability

Rocksilk EWI Slab and EWI Slab Plus are non-hygroscopic, odourless, rot proof, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Vapour resistance - resistivity

Rocksilk EWI Slab and EWI Slab Plus offer negligible resistance to the passage of water vapour and has a vapour resistivity of 7.00 MN.s.g.m.

Moisture resistance

Rocksilk EWI Slab and EWI Slab Plus contain a water repellent additive to ensure that no liquid water is able to pass through the slab and reach the structure.

Environmental

Rocksilk EWI Slab and EWI Slab Plus are free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. **Rocksilk EWI Slab and EWI Slab Plus manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

Handling and storage

Rocksilk EWI Slab and EWI Slab Plus are easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk EWI Slab and EWI Slab Plus are supplied on pallets and covered with shrunk-wrapped polythene for protection during transit. This packaging should not be considered adequate for long term outside protection. Ideally boards should be stored inside a building. If, however, outside storage cannot be avoided the boards should be stacked clear of the ground and covered with a polythene sheet or weatherproof tarpaulin. Boards that have been allowed to get wet should not be used.

Krimpack technology

Krimpack™ technology realigns the mineral wool strands during manufacture to increase compressive strength without dramatically reducing thermal performance – making Rocksilk Krimpack EWI Slab an ideal product for use behind a render finish. Furthermore, Krimpack technology achieves a consistent density slab. This ensures better long-term compressive strength, high impact resistance, better thermal performance and a thinner, lighter product compared to other high-strength insulation options.

Rocksilk EWI Slab and EWI Slab Plus

Thickness	Slab Size	EWI SLAB		EWI SLAB PLUS	
		Thermal conductivity	Thermal resistance	Thermal conductivity	Thermal resistance
(mm)	(mm)	(W/mK)	(m ² K/W)	(W/mK)	(m ² K/W)
260	1200 x 600	0.036	7.20		
250	1200 x 600	0.036	6.90		
240	1200 x 600	0.036	6.65		
230	1200 x 600	0.036	6.35		
220	1200 x 600	0.036	6.10		
210	1200 x 600	0.036	5.80		
200	1200 x 600	0.036	5.55	0.038	5.25
190	1200 x 600	0.036	5.25	0.038	5.00
180	1200 x 600	0.036	5.00	0.038	4.70
170	1200 x 600	0.036	4.70	0.038	4.45
160	1200 x 600	0.036	4.40	0.038	4.20
150	1200 x 600	0.036	4.15	0.038	3.90
140	1200 x 600	0.036	3.85	0.038	3.65
130	1200 x 600	0.036	3.60	0.038	3.40
120	1200 x 600	0.036	3.30	0.038	3.15
110	1200 x 600	0.036	3.05	0.038	2.85
100	1200 x 600	0.036	2.75	0.038	2.60
90	1200 x 600	0.036	2.50	0.038	2.35
80	1200 x 600	0.036	2.20	0.038	2.10
70	1200 x 600	0.036	1.90	0.038	1.80
60	1200 x 600	0.036	1.65	0.038	1.55
50	1200 x 600	0.036	1.35	0.038	1.30
40	1200 x 600	0.036	1.10	0.038	1.05

All dimensions are nominal.

Ref: GD026711

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