

## ROCKSILK EWI SLAB / EWI SLAB PLUS

April 2019



### APPLICATIONS



### DESCRIPTION

Rocksilk EWI Slabs are high performance non-combustible Rock Mineral Wool slabs manufactured with a water repellent additive, and are designed for use in external wall insulation systems.

Slabs can be either adhered and mechanically fixed or just mechanically fixed to the substrate, and are available in thicknesses up to 270mm.

The fire resistance of the product removes the need for fire barriers, giving simple, quick and economical insulation for External Wall Insulation systems.

### PERFORMANCE

#### Fire

Classification: EUROCLASS A1 to BS EN 13501-1

#### Thermal

EWI Slab	EWI Slab Plus
Performance: 0.036 W/mK	0.038 W/mK

#### Compressive strength

EWI Slab	EWI Slab Plus
Performance: 30 kPa	50 kPa

#### Tensile strength

EWI Slab	EWI Slab Plus
Performance: 10 kPa	15 kPa

### BENEFITS

- ✓ Non-combustible A1 Euroclass Reaction to Fire classification
- ✓ No fire stops required
- ✓ Excellent sound absorption characteristics provide high levels of sound reduction
- ✓ Breathable, allowing moisture vapour to pass through the construction removing the risk of condensation
- ✓ Rocksilk EWI Slab Plus available as a denser, compressively stronger slab.

### ADDITIONAL INFORMATION

#### Additional specifications

Rocksilk EWI Slabs are also available as EWI Slab Plus - a higher density and compressively stronger slab in thicknesses up to 200mm.

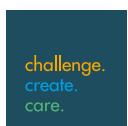
#### Durability

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

#### Application

Rocksilk EWI Slabs 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.

### CERTIFICATION



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### ADDITIONAL INFORMATION

*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 Slabs (Plus) are manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

#### Environmental

Rocksilk EWI Slabs (Plus) represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

#### Vapour resistivity

Rocksilk EWI Slabs (Plus) offer negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00MN.s.g.m.

#### Moisture resistance

Rocksilk EWI Slabs (Plus) contain a water repellent additive to ensure that no liquid water is able to pass through them and reach the structure.

#### Handling and storage

Rocksilk EWI Slabs (plus) are easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk EWI Slabs are supplied on pallets and covered with shrink-wrapped polythene for protection during transit. This packaging should not be considered adequate for long term outside protection. For longer term protection on site, the products should be stored either indoors, or under cover and off the ground and should not be left permanently exposed to the elements. Slabs 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 EWI Slabs 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.

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### SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m <sup>2</sup> K/W)	Length (mm)	Width (mm)	Pieces per pallet	Area per pallet (m <sup>2</sup> )
<b>EWI Slab</b>						
270	0.036	7.50	1200	600	10	7.20
250	0.036	6.95	1200	600	10	7.20
230	0.036	6.40	1200	600	10	7.20
200	0.036	5.55	1200	600	12	8.64
170	0.036	4.70	1200	600	14	10.08
150	0.036	4.15	1200	600	16	11.52
120	0.036	3.30	1200	600	20	14.40
100	0.036	2.75	1200	600	24	17.28
90	0.036	2.50	1200	600	24	17.28
60	0.036	1.70	1200	600	40	28.80
<b>EWI Slab Plus</b>						
200	0.038	5.30	1200	600	12	8.64
140	0.038	3.70	1200	600	16	11.52
100	0.038	2.65	1200	600	24	17.28

All dimensions are nominal

Other thickness available on request, price on application

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