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## ROCKSILK® EWI SLAB AND EWI SLAB PLUS

June 2021



### APPLICATIONS



### DESCRIPTION

Rocksilk® EWI Slab are Rock Mineral Wool slabs designed for use in external wall insulation systems. They are non-combustible with the best possible Euroclass A1 reaction to fire classification.

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

| <b>Fire</b>                 |                               |                             |
|-----------------------------|-------------------------------|-----------------------------|
| Classification:             | Euroclass A1 to BS EN 13501-1 |                             |
| <b>Thermal</b>              |                               |                             |
| Performance:                | EWI Slab<br>0.036 W/mK        | EWI Slab Plus<br>0.038 W/mK |
| <b>Compressive strength</b> |                               |                             |
| Performance:                | EWI Slab<br>30 kPa            | EWI Slab Plus<br>50 kPa     |
| <b>Tensile strength</b>     |                               |                             |
| Performance:                | EWI Slab<br>10 kPa            | EWI Slab Plus<br>15 kPa     |

### BENEFITS

- ✓ 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 is available as a denser, compressively stronger slab.

### CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS





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### ADDITIONAL INFORMATION

#### Additional specifications

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

#### Durability

Rocksilk® EWI Slabs 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.

*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 and Certification

Rocksilk® EWI Slabs is manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by TÜV Nord.

#### Real performance

Glass and Rock Mineral Wool are easier to install correctly than other insulants such as rigid boards because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application.

#### Moisture resistance

Rocksilk® EWI Slabs 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 is easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk® EWI Slabs is supplied in recyclable polythene packs which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Rocksilk® EWI Slabs should not be left permanently exposed to the elements.

#### 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.

#### Made in the UK

Rocksilk® EWI Slabs are manufactured in the United Kingdom at our Rock Mineral Wool Plant in Queensferry, North Wales.



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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> ) | Product code |
|-------------------------------|-----------------------------|---|-------------|------------|-------------------|-----------------------------------|--------------|
| <b>Rocksilk®EWI Slab</b>      |                             |   |             |            |                   |                                   |              |
| 270                           | 0.036                       | 7.50                                    | 1200        | 600        | 8                 | 5.760                             | 595566       |
| 250                           | 0.036                       | 6.95                                    | 1200        | 600        | 10                | 7.200                             | 519596       |
| 230                           | 0.036                       | 6.40                                    | 1200        | 600        | 10                | 7.200                             | 402600       |
| 200                           | 0.036                       | 5.55                                    | 1200        | 600        | 12                | 8.640                             | 271494       |
| 170                           | 0.036                       | 4.70                                    | 1200        | 600        | 14                | 10.080                            | 271277       |
| 150                           | 0.036                       | 4.15                                    | 1200        | 600        | 16                | 11.520                            | 271270       |
| 120                           | 0.036                       | 3.30                                    | 1200        | 600        | 20                | 14.400                            | 271217       |
| 100                           | 0.036                       | 2.75                                    | 1200        | 600        | 24                | 17.280                            | 264383       |
| 90                            | 0.036                       | 2.50                                    | 1200        | 600        | 24                | 17.280                            | 264382       |
| 60                            | 0.036                       | 1.70                                    | 1200        | 600        | 40                | 28.800                            | 266166       |
| <b>Rocksilk®EWI Slab Plus</b> |                             |   |             |            |                   |                                   |              |
| 200                           | 0.038                       | 5.30                                    | 1200        | 600        | 12                | 8.640                             | 2414726      |
| 140                           | 0.038                       | 3.70                                    | 1200        | 600        | 16                | 11.520                            | 2411252      |
| 100                           | 0.038                       | 2.65                                    | 1200        | 600        | 24                | 17.280                            | 2404581      |

All dimensions are nominal  
 Other thickness available on request, price on application

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