



February 2016

## Earthwool® Fabrication Slabs

### For a wide range of applications

#### Description

Earthwool Fabrication Slabs are a range of semi-rigid rock mineral wool slabs. The standard products are supplied un-faced, but they can also be manufactured with a factory applied foil or tissue facing.

#### Application

Earthwool Fabrication Slabs are used for thermal, acoustic, fire and fabrication applications.

#### Standards

Earthwool Fabrication Slabs 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.

#### Performance

##### Thermal

The thermal conductivity of Earthwool Fabrication Slab is 0.037 W/mK

##### Fire

Earthwool Fabrication Slabs are classified as Euroclass A1 to BS EN 13501-1.

#### Benefits

- Non-combustible
- Excellent thermal and acoustic properties

## Earthwool® Fabrication Slabs

### Durability

Earthwool Fabrication Slabs are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

### Fire performance

Earthwool Fabrication Slabs are classified as Euroclass A1 to BS EN 13505-1, non-combustible to BS 476:Part 4:1970 (1984) and, Class 1 Surface Spread of Flame to BS 476:Part 7:1997 and Class 'O' to the Building Regulations.

### Moisture resistance

Earthwool Fabrication Slabs are non-wicking when tested to BS 2972:1989:Section 12. When exposed to 90% relative humidity at 20°C, Earthwool Fabrication Slabs absorb less than 0.004% of moisture.

### Vapour resistivity

Earthwool Fabrication Slabs offer negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00MN/g.m.

### Environmental

Earthwool Fabrication Slabs represent no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential.

### Handling and storage

Earthwool Fabrication Slabs are easy to handle, install and cut to size, where necessary. Earthwool Fabrication Slabs are supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the products should either be stored indoors, or under cover and off the ground. Earthwool Fabrication Slabs should not be left permanently exposed to the elements.

Length	Width	Thickness	Slabs per pack	Area per pack	Packs per pallet	Pallets per full load
(mm)	(mm)	(mm)		(m <sup>2</sup> )		
1200	600	65	8	5.76	12	22
1200	600	75	6	4.32	12	22
1200	600	85	6	4.32	12	22
1200	600	100	5	3.60	12	22
1200	600	110	4	2.88	12	22
1200	600	120	4	2.88	12	22
1200	600	130	4	2.88	12	22
1200	600	140	3	2.16	12	22
1200	600	150	3	2.16	12	22
1200	600	160	3	2.16	12	22

Knauf Insulation mineral wool products made with ECOSE® Technology benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology contain no dye or artificial colours.

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