



January 2017

Earthwool® OmniFit Slab

For multiple applications

Description

Earthwool OmniFit Slab is a multi-purpose, flexible, non-combustible, glass mineral wool slab, engineered for additional robustness, and specifically designed for installation by friction fitting.

Application

Earthwool OmniFit Slab is typically used for the thermal and acoustic insulation of a wide variety of constructions such as timber and metal stud partitions, timber frame walls, between rafters and timber floors.

Standards

Standards Earthwool OmniFit Slab is 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

Earthwool OmniFit Slab has a thermal conductivity of 0.035W/mK.

Fire

Earthwool OmniFit Slab is classified as Euroclass A1 to BS EN 13501-1.

Acoustic

Earthwool OmniFit Slab has exceptional acoustic absorption properties and is manufactured with a minimum density of 18kg/m³ for compliance with relevant sound insulation regulations

Benefits

- High level of thermal performance
- Friction fits between studs, joists and rafters
- Provides excellent thermal and acoustic performance

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Durability

Earthwool OmniFit Slab is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Vapour resistivity

Earthwool OmniFit Slab offers negligible resistance to the passage of water vapour and has a water vapour resistivity of 5.00MNs/g.m.

Environmental

Earthwool OmniFit Slab represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential. An Environmental Product Declaration (EPD) is available for Earthwool OmniFit Slab.

Handling and storage

Earthwool OmniFit Slab is easy to handle and install, being lightweight and easily cut to size, where necessary. Earthwool OmniFit Slab is supplied in 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. Earthwool OmniFit Slab should not be left permanently exposed to the elements.

Thickness	Thermal conductivity	Thermal resistance	Length	Width	Slabs per pack	Area per pack
(mm)	(W/mK)	(m ² K/W)	(mm)	(mm)		(m ²)
150	0.035	4.25	1200	600	4	2.88
140	0.035	4.00	1200	600	4	2.88
100	0.035	2.85	1200	600	6	4.32
90	0.035	2.55	1200	600	6	4.32
75	0.035	2.10	1200	600	8	5.76
70	0.035	2.00	1200	600	8	5.76
50	0.035	1.40	1200	600	12	8.64
140	0.035	4.00	1200	400	4	1.92
100	0.035	2.85	1200	400	6	2.88
50	0.035	1.40	1200	400	12	5.76

All dimensions are nominal

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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