KNAUFINSULATION

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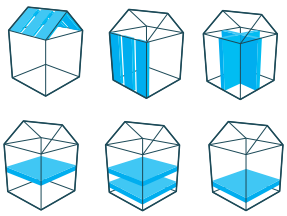
EARTHWOOL OMNIFIT SLAB

March 2018

APPLICATIONS



DESCRIPTION

Earthwool OmniFit Slab is an alternative to existing flexible slabs and has a high level of thermal performance. OmniFit Slab is available in both 600mm and 400mm wide options to suit use between timber or metal studs at either 600mm or 400mm centres.

PERFORMANCE

Thermal

Thermal conductivity:	0.035 W/mK

Fire

Classification:	EUROCLASS A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity:	5.00MNs/g.m

Acoustic

Minimum density:	18kg/m^3

BENEFITS

- Euroclass A1 non-combustible
- Easy to handle and install
- High level of thermal performance
- Friction fits between studs, joists and rafters
- Provides excellent acoustic performance
- Suitable for a wide variety of applications.

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m^{2}K/W)	Length (mm)	Width (mm)	Slabs per pack	Area per pack (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

CERTIFICATION

INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT

A1 EUROCLASS FIRE RATING

Green Guide Rating A+

BUREAU VERITAS

CE

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ADDITIONAL INFORMATION

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.

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.

Environmental

Earthwool OmniFit Slab represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential. Earthwool OmniFit Slab is certified under the BRE Environment Profile Certification Scheme and achieves an BRE Ecopoints score of 0.0195 Ecopoints and is confirmed by the BRE as achieving an A+ Green Guide Rating the relevant certificate is ENP: 506g. This can be downloaded from here.[1] A Verified Environmental Product Declaration (EPD) is available for Earthwool OmniFit Slab. The relevant document is BREG EN EPD No; 000061 and can be downloaded from here.[2]

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.

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.

with ECOSE® TECHNOLOGY

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.

Knauf Insulation Ltd

PO Box 10, Stafford Road, St.Helens,
Merseyside, WA10 3NS. UK

Customer Service: 0844 800 0135 Technical Support Team: 01744 766 666 Literature: 08700 668 660

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