KNAUFINSULATION

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EARTHWOOL FLEXIBLE SLAB

March 2018

APPLICATIONS

DESCRIPTION

Earthwool Flexible Slab is a multi-purpose flexible Rock Mineral Wool slab designed for use in a wide variety of applications including internal partitions, timber and metal studs and in between rafters and floor joists, with excellent acoustic, thermal and fire properties.

PERFORMANCE

Thermal

Thermal conductivity:	0.035 and 0.037 W/mK

Fire

Classification:	EUROCLASS A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity:	5.00MNs/g.m

BENEFITS

- Non-combustible A1 Reaction to Fire rating
- Friction fits between studs, joists and rafters
- Provides excellent thermal, fire and acoustic performance
- Multiple application solution

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m^2K/W)	Length (mm)	Width (mm)	Pieces per pack	Area per pack (m^2)	Packs per pallet
140	0.035	4.00	1200	600	3	2.16	12
100	0.037	2.70	1200	600	6	4.32	12
90	0.037	2.40	1200	600	6	4.32	12
70	0.037	1.85	1200	600	8	5.76	12
60	0.037	1.60	1200	600	10	7.20	12
50	0.037	1.35	1200	600	12	8.64	12
40	0.037	1.05	1200	600	14	10.08	12

All dimensions are nominal

CERTIFICATION

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ADDITIONAL INFORMATION

Durability

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

Application

Earthwool Flexible 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 and suspended timber floors.

Standards

Earthwool Flexible Slab is manufactured in accordance with BS EN 13162, BS EN 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 Flexible Slab represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential. Earthwool Flexible Slab has a generic BRE Green Guide rating of A+ and is covered by Environmental Product Declaration BREG EN EPD No. 000095, ECO EPD Ref. No.: 000324 in accordance with the requirements of EN 15804.

Vapour resistivity

Earthwool Flexible 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 Flexible Slab is easy to handle and install, being lightweight and easily cut to size, where necessary. Earthwool Flexible 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 Flexible 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

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