Generic BRE Green Guide Rating A+

KNAUF INSULATION
it's time to save energy

January 2015

Earthwool® OmniFit Roll

For multiple applications

Description
Earthwool OmniFit Roll is a multi-purpose, flexible, non-combustible, glass mineral wool roll, and is specifically designed for installation by friction fitting.

Application
Earthwool OmniFit Roll is typically used for the thermal and acoustic insulation of a wide variety of constructions such as pitched roof at ceiling level (loft insulation), internal partitions, internal floors, and timber floors.

Standards
Earthwool OmniFit Roll 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.

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

with ECOSE® TECHNOLOGY

Performance

Thermal
Earthwool OmniFit Roll has a thermal conductivity of 0.040W/mK.

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

Acoustic
Earthwool OmniFit Roll has exceptional acoustic absorption properties and is manufactured with a minimum density of 10kg/m^3 for compliance with relevant sound insulation regulations.

Benefits

- Better thermal performance than our standard loft rolls
- Friction fits between studs and joists
- Provides excellent thermal and acoustic performance

Earthwool® OmniFit Roll

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

Environmental
Earthwool OmniFit Roll represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

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

Thickess	Thermal conductivity	Thermal resistance	Length	Width	Rolls per pack	Area per pack
(mm)	(W/mK)	(m^2K/W)	(mm)	(mm)		(m^2)
200	0.040	5.00	3400	1200 (2x600 or 3x400)	1	4.08
150	0.040	3.75	4550	1200 (2x600 or 3x400)	1	5.46
100	0.040	2.50	6800	1200 (2x600 or 3x400)	1	8.16

All dimensions are nominal

Knauf Insulation mineral wool products made with ECOSE® Technology benefit from a formaldehyde-free 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 – the colour is completely natural.

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