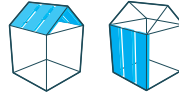


## EARTHWOOL OMNIFIT STUD

March 2018



### APPLICATIONS



### DESCRIPTION

Earthwool OmniFit Stud is a roll product designed to be used in both timber and metal studs, and with a superior level of thermal performance to allow use in applications where a higher level of thermal performance is required. OmniFit Stud is provided at a width of 1200mm to allow cutting on site to suit studs and rafters at any centres.

### PERFORMANCE

#### Thermal

Thermal conductivity: 0.034 W/mK.

#### Fire

Classification: EUROCLASS A1 to BS EN 13501-1.

#### Vapour resistivity

Water vapour resistivity: 5.00MN<sub>s</sub>/g.m.

#### Acoustic

Minimum density: 18kg/m<sup>3</sup>

### BENEFITS

- ✓ Euroclass A1 non-combustible
- ✓ Easy to handle and install
- ✓ Manufactured at 1200mm wide to allow cutting to suit studs, joists and rafters with a variety of centre dimensions
- ✓ Friction fits between studs, joists and rafters
- ✓ High level of thermal performance
- ✓ Provides excellent acoustic performance
- ✓ Suitable for a wide variety of applications.

### SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m <sup>2</sup> K/W)	Length (m)	Width (mm)	Area per pack (m <sup>2</sup> )
220	0.034	6.45	2.50	1200	3.00
180	0.034	5.25	3.00	1200	3.60
150	0.034	4.40	3.50	1200	4.20
140	0.034	4.10	4.20	1200	5.04
100	0.034	2.90	5.20	1200	6.24

### CERTIFICATION



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### ADDITIONAL INFORMATION

#### Durability

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

#### Application

Earthwool OmniFit Stud is typically used for the thermal and acoustic insulation of a variety of constructions such as timber frame walls, light steel and metal frame walls and between rafters.

#### Standards

Earthwool OmniFit Stud 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 Stud represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential. Earthwool OmniFit Stud 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](#).<sup>1</sup> A verified Environmental Product Declaration (EPD) is available for Earthwool OmniFit Stud. The relevant document is BREG EN EPD No; 000061 and is verified by the BRE. This can be downloaded from [here](#).<sup>2</sup>

#### Vapour resistivity

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

#### Handling and storage

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



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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