



October 2011

## Earthwool® Timber Frame Party Wall Slab

### For timber frame cavity party walls

#### Description

Earthwool Timber Frame Party Wall Slabs are a full fill thermal and acoustic solution for use in timber cavity party walls between adjoining apartments, semi-detached and terraced houses.

#### Application

Earthwool Timber Frame Party Wall Slabs are used for the thermal and acoustic insulation of timber cavity party walls and are friction fitted between frames. The product can be used as part of a full fill solution to achieve a zero effective U-value within SAP 2009 which is used to calculate energy consumption for 2010 Building Regulations – Approved Document L (England & Wales) and Technical Handbook Section 6 (Scotland).

#### Performance

##### Density

Earthwool Timber Frame Party Wall Slabs are produced at a minimum density of 18kg/m<sup>3</sup>.

##### Fire

Earthwool Timber Frame Party Wall Slabs are classified as Euroclass A1 to BS EN ISO 13501-1.

##### Acoustics

Earthwool Timber Frame Party Wall Slabs have excellent sound absorption characteristics.

#### Benefits

- Can be used as part of a full fill solution to achieve a zero effective U-value within SAP 2009
- Range of thicknesses to suit cavity widths
- Sized to friction fit between wall ties
- Easy to handle and install with no gaps between adjacent slabs



Move Forward with Confidence



## Earthwool® Timber Frame Party Wall Slab

### Standards

Earthwool Timber Frame Party Wall Slabs are manufactured in accordance with BS EN 13162:2008, EN 16001:2009 Energy Management Systems, OHSAS 18001:2007 Occupational Health and Safety Management Systems, ISO 14001:2004 Environmental Management Systems, and ISO 9001:2008 Quality Management Systems, as certified by Bureau Veritas.

### Durability

Earthwool Timber Frame Party Wall Slabs are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

### Vapour resistance - resistivity

Earthwool Timber Frame Party Wall Slabs offer negligible resistance to the passage of water vapour and have a vapour resistivity of 7.00 MNs/g.m.

### Environmental

Earthwool Timber Frame Party Wall Slabs are free from CFCs, HCFCs and any other material with ozone depletion potential in their manufacture and content and represent no known threat to the environment. **Earthwool Timber Frame Party Wall Slab manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

### Handling and storage

Earthwool Timber Frame Party Wall Slabs are easy to handle and install, being lightweight and easily cut to size, where necessary. They are 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. Installation instructions are on every pack. Earthwool Timber Frame Party Wall Slabs should not be left permanently exposed to the elements.

Thickness	Density	Thermal resistance	Length	Width	Area per pack
(mm)	(kg/m <sup>3</sup> )	(m <sup>2</sup> K/W)	(m)	(mm)	(m <sup>2</sup> )
110	18.00	3.05	1200	600	5.76
85	18.00	2.35	1200	600	8.64
60	18.00	1.65	1200	600	11.52

*All dimensions are nominal*

Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals which is up to 70% less energy intensive. 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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