



March 2010

Earthwool® Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus

For separating floors

Description

Earthwool Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus are dense, rigid, compression resistant, non-combustible, rock mineral wool slabs that have been manufactured specifically for use as a resilient layer beneath floor screeds and flooring grade chipboard.

Application

Earthwool Acoustic Floor Slab is designed for use as a resilient layer in the acoustic insulation of separating floors and meets the requirement in Approved Document E (England and Wales) for a resilient layer under a floating platform, i.e. mineral wool, 25mm thick with a nominal density between 60 and 100 kg/m³. Earthwool Acoustic Floor Slab Plus is designed for use as the resilient layer in a floating floor treatment and meets the specification requirements in accordance with Robust Details Ltd.

Performance

Acoustic

Earthwool Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus provide excellent sound absorption and impact resistance performance.

Fire

Earthwool Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus are classified as Euroclass A1 to BS EN ISO 13501-1.

Benefits

- High compression resistance
- Excellent acoustic and thermal performance
- Easy to install



Earthwool® Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus

Standards

Earthwool Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus are manufactured from non-combustible, inorganic, rock mineral wool, defined as mineral wool in BS 3533:1981 and are manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001:2000 and Product Standard EN 13162.

Durability

Earthwool Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria. Earthwool Acoustic Floor Slabs are non-wicking when tested in accordance with BS 2972:1989 Section 12.

Environmental

Earthwool Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus 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. **Their manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

Handling and storage

Earthwool Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus 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. Earthwool Acoustic Floor Slab and Earthwool Acoustic Floor Slab Plus should not be left permanently exposed to the elements.

Thickness (mm)	Length (m)	Width (mm)	Slabs per pack	Area per pack (m ²)
Earthwool Acoustic Floor Slab				
25	900	600	14	8.64
Earthwool Acoustic Floor Slab Plus				
50	900	600	4	2.70
40	900	600	7	3.78
30	900	600	9	4.86
25	900	600	11	5.94

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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