



March 2010

Earthwool® Acoustic Floor Roll

For separating floors

Description

Earthwool Acoustic Floor Roll is a resilient, glass mineral wool roll faced on one side with a kraft paper/polythene laminate. Its facing has a 75mm overlap along one edge to lap the edge of the adjoining roll.

Application

Earthwool Acoustic Floor Roll is used for improving the impact sound resistance of separating floors, specifically Type 2 separating floors in Approved Document E. The kraft paper/polythene laminate should face uppermost when Earthwool Acoustic Floor Roll forms a resilient layer below a screed.

Thickness (mm)	Length (m)	Width (mm)	Area per roll (m ²)
25	10	1200	12.00

All dimensions are nominal

Performance

Acoustic

Earthwool Acoustic Floor Roll provides excellent impact sound resistance when used as a resilient layer in a separating floor.

Fire

The glass mineral wool content of Earthwool Acoustic Floor Roll is classified as Euroclass A1 to BS EN ISO 13501-1.

Benefits

- Excellent impact sound resistance
- Overlapping facing layer prevents wet screed from entering mineral wool layer
- Wide roll speeds up installation process
- Lightweight and easy to handle and install

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Standards

The glass mineral wool content of Earthwool Acoustic Floor Roll is non-combustible and defined as mineral wool in BS 3533: 1981, it is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000.

Durability

The glass mineral wool content of Earthwool Acoustic Floor Roll is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Compressive resistance

The table shows the change in thickness of Earthwool Acoustic Floor Roll under applied loading.

Environmental

Earthwool Acoustic Floor Roll is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. **Earthwool Acoustic Floor Roll has a Global Warming Potential of less than 5.**

Handling and storage

Earthwool Acoustic Floor Roll is easy to handle and install, being lightweight and easily cut to size, where necessary. It is supplied enclosed in polythene which is 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 Acoustic Floor Roll should not be left permanently exposed to the elements.

Thickness of Earthwool Acoustic Floor Roll under load

Floor Surface	Approximate load in use (kN/m ²)	Nominal uncompressed thickness (mm)	Thickness under load (mm)
Timber on battens	20 (point load)	25	8
65mm screed (dwellings)	3	25	15
75mm screed (non-domestic)	3.25	25	15

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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