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Earthwool® DriTherm Cavity Slab (rock) For cavity walls

Description

Earthwool DriTherm Cavity Slab is a semi-rigid slab of non-combustible rock mineral wool with a water-repellent additive. It is dimensioned to fit between cavity wall ties at standard spacings.

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (mm)	Width (mm)	Slabs per pack	Area per pack (m ²)	Packs per pallet
120	0.037	3.20	1200	455	4	2.18	15
100	0.037	2.70	1200	455	5	2.73	15
85	0.037	2.25	1200	455	6	3.28	15
75	0.037	2.00	1200	455	7	3.82	15
65	0.037	1.75	1200	455	8	4.37	15
50	0.037	1.35	1200	455	10	5.46	15

All dimensions are nominal

Performance

Thermal

Earthwool DriTherm Cavity Slab has a thermal conductivity of 0.037W/mK.

Fire

Earthwool DriTherm Cavity Slab is classified as Euroclass A1 to BS EN ISO 13501-1.

Benefits

- Excellent thermal and fire performance
- British Board of Agrément Certificate for all exposure zones
- Water repellent
- Acts as a cavity barrier



Earthwool® DriTherm Cavity Slab (rock)

Application

For the thermal insulation of external masonry cavity walls, Earthwool DriTherm Cavity Slab is 455mm wide to suit standard vertical cavity wall tie spacings, compression fitting between wall ties allows a closed joint with adjacent slabs.

Standards

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

Certification

Earthwool DriTherm Cavity Slab is certified by British Board of Agrément (Certificate no 05/4207) which approves its use in buildings up to 12m in height in any exposure zone, and in multi-story applications up to 25m in height. When installed in buildings over 25m high approval can be sought from Knauf Insulation and the British Board of Agrément.

Durability

Earthwool DriTherm Cavity Slab is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria. It is suitable for use at normal building temperatures and is dimensionally stable under varying conditions of temperature and humidity.

Vapour resistance - resistivity

Earthwool DriTherm Cavity Slab offers negligible resistance to the passage of water vapour and has a vapour resistivity of 7.00MN/g.m.

Moisture resistance

Earthwool DriTherm Cavity Slab contains a water repellent additive to ensure that no liquid water is able to pass through the slab and reach the inner leaf of masonry. Tests by the British Board of Agrément confirm that Earthwool DriTherm Cavity Slab will not transmit water to the inner leaf, nor will it transmit moisture by capillary action across the cavity or from below DPC level.

Environmental

Earthwool DriTherm Cavity Slab 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 DriTherm Cavity Slab's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

Handling and storage

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

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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