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EARTHWOOL DRITHERM CAVITY SLABS

May 2018



APPLICATIONS



DESCRIPTION

For thermal insulation in residential and non-residential masonry cavity external walls, Earthwool DriTherm Cavity Slabs have a special additive to make the product water repellent. They are 455mm wide to suit standard vertical wall tie spacings allowing a closed joint with adjacent slabs.

PERFORMANCE

Thermal

Thermal conductivity:	From 0.032 to 0.037 W/mK

Fire

Classification:	EUROCLASS A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity:	5.00MNs/g.m

BENEFITS

- Euroclass A1 non-combustible
- For use in external masonry cavity walls
- British Board of Agrément approved for use in all exposure zones
- Water repellent
- Slabs 'knit' together, eliminating air gaps between adjacent slabs

ADDITIONAL INFORMATION

Durability

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

Application

Earthwool DriTherm Cavity Slabs are for the thermal insulation of masonry cavity external walls and are installed to fully fill the cavity. They are approved for use in buildings up to 12m high in any exposure zone and for use in multi-storey applications up to 25m in height.

Standards

Earthwool DriTherm Cavity Slabs are 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 DriTherm Cavity Slabs represent no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential.

CERTIFICATION

challenge. create. care.

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ADDITIONAL INFORMATION

Vapour resistivity

Earthwool DriTherm Cavity Slabs offer negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00MNs/g.m.

Handling and storage

Earthwool DriTherm Cavity 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. Earthwool DriTherm Cavity Slabs should not be left permanently exposed to the elements.

SPECIFICATIONS

Thickness (mm)	**Thermal conductivity** (W/mK)	**Thermal resistance** (m^2K/W)	**Length** (mm)	**Width** (mm)	**Slabs** per pack	**Area** per pack (m^2)
Earthwool DriTherm Cavity Slab 37 Standard						
150	0.037	4.05	1200	455	8	4.37
125	0.037	3.35	1200	455	6	3.28
100	0.037	2.70	1200	455	12	6.55
85	0.037	2.25	1200	455	8	4.37
75	0.037	2.00	1200	455	8	4.37
65*	0.036	1.80	1200	455	10	5.46
50*	0.035	1.40	1200	455	12	6.55
Earthwool DriTherm Cavity Slab 34 Super						
150	0.034	4.40	1200	455	5	2.73
125	0.034	3.65	1200	455	6	3.28
100	0.034	2.90	1200	455	8	4.37
75	0.034	2.20	1200	455	10	5.46
Earthwool DriTherm Cavity Slab 32 Ultimate						
150	0.032	4.65	1200	455	4	2.18
125	0.032	3.90	1200	455	4	2.18
100	0.032	3.10	1200	455	6	3.28
85	0.032	2.65	1200	455	5	2.73
75	0.032	2.30	1200	455	6	3.28

with ECOSE® TECHNOLOGY

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.

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