

DRITHERM CAVITY 35

November 2018



APPLICATIONS



DESCRIPTION

DriTherm Cavity 35 is semi rigid slabs of non-combustible, water repellent, glass mineral wool for masonry cavity walls. They are 450mm wide to suit standard vertical wall tie spacing's, ensuring a closed joint with adjacent slabs.

PERFORMANCE

Thermal

Thermal conductivity: 0.035 W/mK at 25 C

Fire

Euroclass A1 to BS EN 13501-1 (Unfaced)
DriTherm Cavity 35 does not exceed 25 Flame Spread, 50 Smoke when tested in accordance with ASTM E 84, (FSK)

Vapour resistivity

Water vapour resistivity: 5.00MNs/g.m

BENEFITS

- ✓ Excellent thermal and fire performance
- ✓ Water repellent
- ✓ Slabs 'knit' together, thus eliminating air gaps between adjacent slabs

SPECIFICATIONS

Facing	Thickness (mm)	Length (m)	Width (mm)	Area per pack (m ²)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Density kg /m ³	Slabs per pack
FSK	100	1.2	450	3.24	0.035	2.85	24	6
Unfaced	100	1.2	450	3.24	0.035	2.85	24	6
FSK	50	1.2	450	6.48	0.035	1.43	24	12

All dimensions are nominal.

CERTIFICATION



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ADDITIONAL INFORMATION

Application

DriTherm Cavity 35 is a medium density slab offering higher levels of thermal performance which is easy to install.

Thermal Performance

The U-value of a proprietary rainscreen and curtainwall cladding system is dependent on the degree of thermal bridging in the system. Calculations produced by Knauf Insulation's Technical Services Department are as per Dubai Municipality and ESTIDAMA norms. DriTherm Cavity 35 is listed on Dubai Municipality U-Value calculation sheet under layer reference code 06.079.12 (Faced) and 06.079.02 (Unfaced)

Moisture resistance

DriTherm Cavity 35 will not transmit water to the inner leaf. Nor will they transmit moisture by capillary action across the cavity or from below damp proof course level.

Durability

DriTherm Cavity 35 is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Standards

DriTherm Cavity 35 is manufactured in accordance with BS EN 13162, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Certification

DriTherm Cavity 35 are certified under UL 723, DCL Product Conformity, EUCEB for conformity of fibres produced with the requirements of Note Q of the Regulation (EC) No 1272:2008 of EP and EC, EUROFINS Indoor Air Quality Gold, SASO Product Conformity.

Environmental

DriTherm Cavity 35 represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and storage

DriTherm Cavity 35 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 be stored either indoors, or under cover and off the ground. DriTherm Cavity 35 should not be left permanently exposed to the elements.



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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create.
care.