



Crown DriTherm Cavity Slab

Description

Crown DriTherm Cavity Slabs are semi-rigid or rigid slabs of non-combustible, glass mineral wool with a water-repellent additive. They are 455mm wide to suit standard vertical wall tie spacings, ensuring a closed joint with adjacent slabs.

Crown DriTherm Cavity Slabs have a special additive to make the product water repellent and are produced in three grades:

- **Crown DriTherm Cavity Slab** has a thermal conductivity ranging from 0.035 to 0.037 W/mK – see Product Data overleaf
- **Crown DriTherm Cavity Slab 34** has a thermal conductivity of 0.034 W/mK
- **Crown DriTherm Cavity Slab 32** has a thermal conductivity of 0.032 W/mK

Application

Crown DriTherm Cavity Slabs are for the thermal insulation of masonry cavity external walls, either partially filling or fully filling 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

Crown DriTherm Cavity Slabs are non-combustible inorganic glass wool, defined as mineral wool in BS 3533: 1981 and are manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000.

Performance

Thermal

Crown DriTherm Cavity Slabs have thermal conductivities ranging from 0.032 to 0.037 W/mK – see Product Data table overleaf.

Fire

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

Benefits

- British Board of Agrément approved for use in all exposure zones
- Excellent thermal and fire performance
- Water repellent
- Slabs 'knit' together, thus eliminating air gaps between adjacent slabs



Product Data

Thickness	Thermal conductivity	Thermal resistance	Slab size	Slabs per pack	Area per pack
(mm)	(W/mK)	(m ² K/W)	(mm)		(m ²)
Crown DriTherm Cavity Slab					
100	0.037	2.70	1200 x 455	12	6.55
85	0.037	2.25	1200 x 455	14	7.64
75	0.037	2.00	1200 x 455	16	8.74
65	0.037	1.80	1200 x 455	18	9.83
50	0.035	1.40	1200 x 455	18	9.83
Crown DriTherm Cavity Slab 34					
100	0.034	2.90	1200 x 455	8	4.37
85	0.034	2.50	1200 x 455	8	4.37
75	0.034	2.20	1200 x 455	10	5.46
65	0.034	1.90	1200 x 455	12	6.55
Crown DriTherm Cavity Slab 32					
100	0.032	3.10	1200 x 455	6	3.28
85	0.032	2.65	1200 x 455	8	4.37
75	0.032	2.30	1200 x 455	8	4.37
65	0.032	2.00	1200 x 455	10	5.46

All dimensions are nominal

Certification

Crown DriTherm Cavity Slab is certified by British Board of Agrément Certificate 95/3212 which approves its use in buildings up to 12 m in height in any exposure zone, and in multi-story applications up to 25m in height.

Crown DriTherm Cavity Slab has been used in many buildings over 25m in height, including exposed coastal sites. Approval can be sought from Knauf Insulation Ltd and the British Board of Agrément for Crown DriTherm Cavity Slab's use in buildings over 25m high.

Guarantee

Crown DriTherm Cavity Slab is guaranteed for 50 years to resist the transmission of liquid water from the outer masonry leaf to the inner masonry leaf in new external cavity walls and to have a thermal conductivity of 0.032 to 0.037 W/mK at normal building temperatures. Masonry includes bricks, blocks and dressed and reconstituted stone. The guarantee is available by application from Knauf Insulation Ltd.

Durability

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

Environmental

Crown 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.

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

Vapour Resistivity

Crown DriTherm Cavity Slab offers virtually no vapour resistance, allowing water vapour to pass freely through the slab.

Moisture Resistance

Crown DriTherm Cavity Slab contains a water repellent silicone binder 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 Crown 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.

Handling and Storage

Crown DriTherm Cavity Slabs are easy to handle and install, being lightweight and easily cut to size.

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. Installation instructions are on every pack.

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

Knauf Insulation Ltd
PO Box 10, Stafford Road,
St Helens, Merseyside,
WA10 3NS

Customer Service (Sales) Tel: 0844 800 0135
Technical Advisory Centre Tel: 01744 766666
Literature Tel: 08700 668660
www.knaufinsulation.co.uk

For more information please refer to
www.knaufinsulation.co.uk

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