

DRITHERM® CAVITY SLABS 32, 34 AND 37

December 2022



APPLICATION



DESCRIPTION

DriTherm® Cavity Slabs are water-repellent Glass Mineral Wool slabs, designed for use in external full-fill masonry cavity walls, offering a range of thermal performance to suit construction requirements. They are non-combustible with the best possible Euroclass A1 reaction to fire classification, and are manufactured using Knauf Insulation's unique bio-based binder, ECOSE® Technology.

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: 5.00 MNs/g.m

BENEFITS

- ✓ Water repellent and BBA certified for use in all exposure zones, including those in very severe areas.
- ✓ Slabs are sized to fit between wall ties without the need for retaining discs.

ADDITIONAL INFORMATION

Durability

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

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 (subject to the requirements of the BBA certification being met) and for use in multi-storey applications up to 25m in height.

Standards and certification

DriTherm® Cavity Slabs are manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management systems, as certified by TÜV Nord. All our Glass Mineral Wool products have been awarded the DECLARE 'Red List Free' label. This allows product transparency disclosure that identifies where a product comes from, what it's made of, and where it goes at the end of its life. Having the 'Red List Free' label means that there are no ingredients in the product that are on the red list - including formaldehyde or phenol.

Environmental

DriTherm® Cavity Slabs contain no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Moisture resistance

Tests by the British Board of Agrément confirm that DriTherm® Cavity Slabs 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.

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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Real Performance

Glass and Rock Mineral Wool are easier to install correctly than other insulants such as rigid boards because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application.

Handling and storage

DriTherm® Cavity Slabs are easy to handle and install, being lightweight and easily cut to size, where necessary. They are supplied in polythene packs (4-LDPE) 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. DriTherm® Cavity Slabs should not be left permanently exposed to the elements.

SPECIFICATIONS

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	Product code
DriTherm® Cavity Slab 37								
150	0.037	4.05	1200	455	8	4.37	25	715835
125	0.037	3.35	1200	455	6	3.28	40	316660
100	0.037	2.70	1200	455	12	6.55	25	715831
85	0.037	2.25	1200	455	8	4.37	45	316656
75	0.037	2.00	1200	455	8	4.37	50	316654
65	0.037	1.75	1200	455	10	5.46	40	316652
50	0.037	1.35	1200	455	12	6.55	30	316650
DriTherm® Cavity Slab 34								
150	0.034	4.40	1200	455	5	2.73	30	715834
125	0.034	3.65	1200	455	6	3.28	30	715836
100	0.034	2.90	1200	455	8	4.37	30	715832
75	0.034	2.20	1200	455	10	5.46	30	715833
DriTherm® Cavity Slab 32								
150	0.032	4.65	1200	455	4	2.18	30	580216
125	0.032	3.90	1200	455	4	2.18	40	715828
100	0.032	3.10	1200	455	6	3.28	30	715829
85	0.032	2.65	1200	455	5	2.73	45	715830
75	0.032	2.30	1200	455	6	3.28	45	715827



ECOSE® Technology is our unique bio-based binder, that is used in the manufacture of all of our Glass Mineral Wool products and the majority of our Rock Mineral Wool products, to bind insulation strands together. ECOSE® Technology contains no added formaldehyde or phenol. It is made from natural raw materials that are rapidly renewable and is 70% less energy-intensive to manufacture than traditional binders, so it is more environmentally-friendly. Products made with ECOSE® Technology are soft to touch and easy to handle. They generate low levels of dust and VOCs and have been awarded the Eurofins Gold Certificate for Indoor Air Comfort.

Knauf Insulation Ltd

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