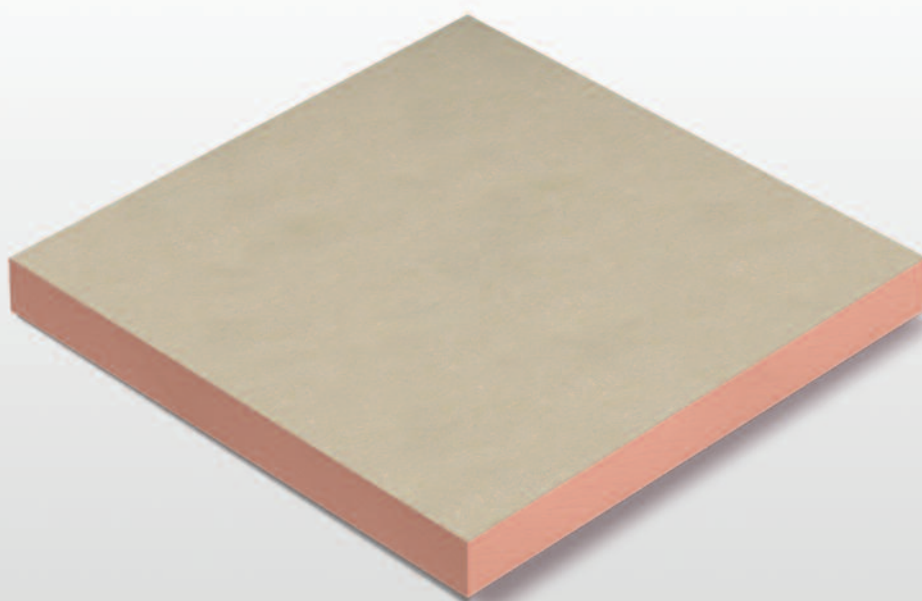




Kooltherm® K5 External Wall Board

PREMIUM PERFORMANCE INSULATION FOR
MASONRY WALLS



- Premium performance rigid thermoset insulation – thermal conductivities as low as 0,020 W/m-K
- Suitable for use behind traditional and lightweight polymer modified renders and dry cladding systems
- Unaffected by air infiltration
- Resistant to the passage of water vapour
- Easy to handle and install
- Ideal for new build or refurbishment
- Non-deleterious material
- Manufactured with a blowing agent that has zero ODP and low GWP



*Low Energy –
Low Carbon Buildings*

Kooltherm® K5 External Wall Board

Description

Kingspan Kooltherm® K5 External Wall Board comprises a premium performance rigid thermoset modified resin fibre free insulation core, faced on both sides with a glass tissue based facing, autohesively bonded to the insulation core during manufacture.

General

Resistance to Solvents, Fungi & Rodents

The insulation core is resistant to short-term contact with petrol and with most dilute acids, alkalis and mineral oils. However, it is recommended that any spills be cleaned off fully before the boards are installed. Ensure that safe methods of cleaning are used, as recommended by suppliers of the spill liquid. The insulation core is not resistant to some solvent-based adhesive systems, particularly those containing methyl ethyl ketone. Adhesives containing such solvents should not be used in association with this product. Damaged boards or boards that have been in contact with harsh solvents or acids should not be used.

Cutting

Cutting should be carried out by using a fine toothed saw. Ensure accurate trimming to achieve close-butting joints and continuity of insulation.

Daily Working Practice

At the completion of each day's work, or whenever work is interrupted for extended periods of time, a night joint must be made in order to prevent water penetration into the construction.

Packaging and Storage

The polyethylene packaging of Kingspan Insulation products, which is recyclable, should not be considered adequate for outdoor protection. Ideally, boards should be stored inside a building. If, however, outside storage cannot be avoided, then the boards should be stacked clear of the ground and covered with an opaque polythene sheet or weatherproof tarpaulin. Boards that have been allowed to get wet should not be used.

Health and Safety

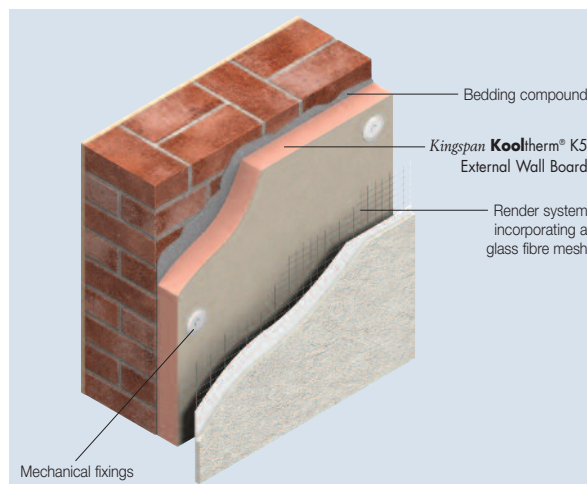
Kingspan Insulation products are chemically inert and safe to use. A Safety Information Data Sheet for this product is available from the Kingspan Insulation website.

Warning – do not stand on or otherwise support your weight on this product unless it is fully supported by a load bearing surface.

Product Data

Property	Result
General	
Product Thickness	Refer to local distributor for current stock and non-stock sizes
Board Length (mm)	1200
Board Width (mm)	400
Density	ca. 35 kg/m ³
Closed Cells	min. 90%
Thermal	
Thermal Conductivity (EN 13166)	0,021 W/m·K (thickness < 45 mm) 0,020 W/m·K (thickness 45–120 mm) 0,021 W/m·K (thickness > 120 mm)
Fire & Smoke	
Reaction to Fire (EN 13501-1)	C-s2, d0 (as placed on the market) B-s1, d0 (in application)

Example Detail Drawing



Standards & Approvals

The Kingspan Kooltherm® K5 External Wall Board is manufactured to the highest standards and has CE marking and EPD.



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Export countries from the Netherlands comprise all European countries (including all of the Russian Federation, Ukraine and Belarus) except for Benelux, the UK, Ireland, Gibraltar, Malta, the Nordics, Germany, France, Poland, the Czech Republic and Slovakia.

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