

Insulation



Therma™ TR27

Insulation for Flat Roofs Waterproofed with Fully Adhered Single-Ply and Cold Liquid Applied Waterproofing



- Rigid thermoset insulation
- Fully compatible with most fully adhered single-ply waterproofing systems
- Ideal with most green roof systems
- Easy to handle and install
- Ideal for new build and refurbishment
- Manufactured with a blowing agent that has zero ODP (contains no CFC and HCFC) and GWP ≤5

Fibre-free
Core




Kingspan®

Product information

Product description

Kingspan Therma™ TR27 comprises of fibre-free rigid thermoset polyisocyanurate (PIR) insulation core, faced on both sides with a coated glass tissue based facing, autohesively bonded to the insulation core during manufacture.

Technical Specifications

Property	Result
	General
Product Thickness*	Refer to Kingspan Insulation for current stock and non-stock sizes
Board Length (mm)*	2400
Board Width (mm)*	1200
Compressive Stress (BS EN 826: 2013)	Exceeds 100 kPa for thickness ≤ 120 mm and exceeds 90kPa for thickness 120-150mm @ 10% compression
Apparent Density (BS EN 1602: 2013)	32 Kg/m ³
	Thermal
Thermal Conductivity (ASTM C518-21)	0.022 W/m.K at 23°C mean temperature

* Standard manufacturing tolerance may apply, for more information contact Kingspan Insulation.

FM Approval

Kingspan Therma™ TR27 is certified to Examination Standard FM 4470 for flat roof solutions. Please contact the Kingspan Insulation for further confirmation. Not all thicknesses and sizes are covered by the FM Approval.



Further details of the FM examination listing for Therma™ TR27 are published on the FM Approvals website at: www.roofnav.com. To view the listing, search Keyword(s): Therma TR27.

Standards & Approvals

Kingspan Therma™ TR27 is manufactured to the highest standards under a management system certified to ISO 9001: 2015 (Quality Management System), ISO 14001: 2015 (Environmental Management System), ISO 45001: 2018 (Occupational Health and Safety Management System) and ISO 37301:2021 (Compliance Management System).

General

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 roof construction.

Cutting

- Cutting should be carried out either by using a fine-toothed saw or by scoring with a sharp knife, snapping the board over a straight edge and then cutting the facing on the other side.
- Ensure accurate trimming to achieve close-butting joints and continuity of insulation.

Availability

- Please contact Kingspan Insulation to enquire about the availability of Kingspan Therma™ TR27.

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

- Please refer MSDS, For more information contact Kingspan Insulation.

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

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To ensure you are viewing the most recent and accurate product information, please visit this link <https://www.kingspan.com/ae/en/products/insulation-boards/roof-insulation-board/tr27?s=d>

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