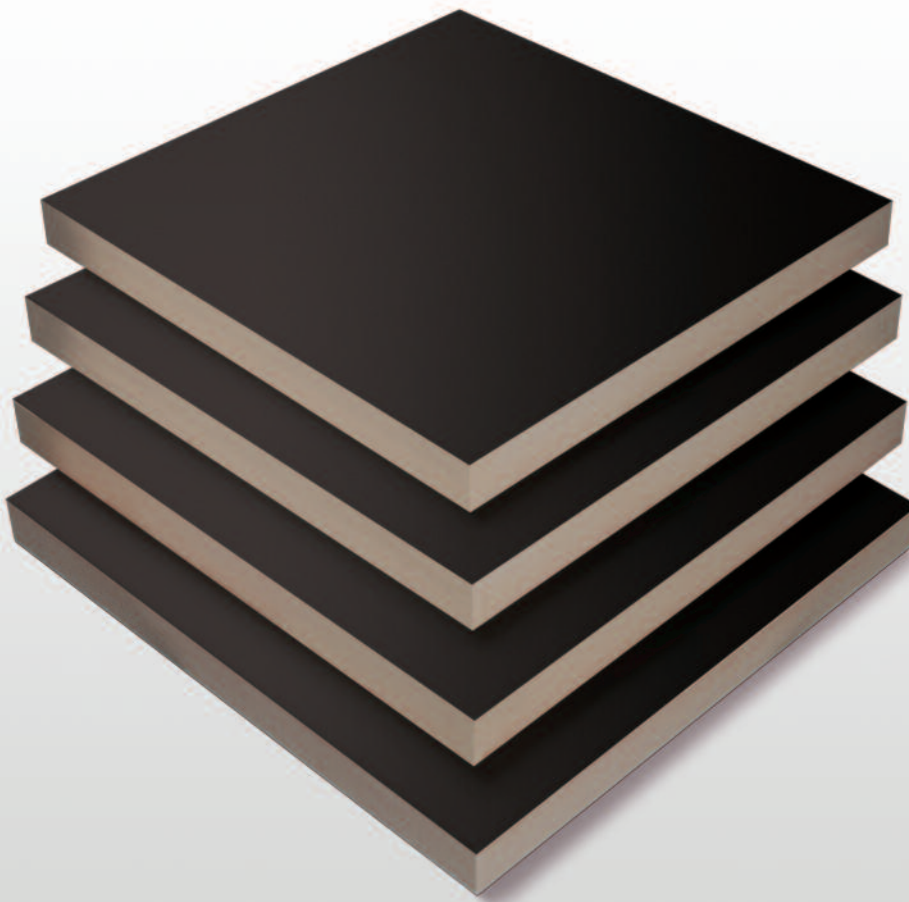




Thermarroof® TR25

INSULATION FOR FLAT ROOFS WATERPROOFED
WITH COLD LIQUID APPLIED WATERPROOFING



- High performance rigid thermoset insulation – thermal conductivities as low as 0.024 W/m·K
- Compatible with most green roofing systems
- Compatible with most cold liquid applied waterproofing systems
- Resistant to the passage of water vapour
- Easy to handle and install
- Ideal for new build and refurbishment
- Non-deleterious material
- Manufactured with a blowing agent that has zero ODP and low GWP



*Low Energy –
Low Carbon Buildings*

Thermaroof® TR25

Description

Kingspan **Thermaroof**® TR25 comprises a high performance rigid thermoset polyisocyanurate (PIR) insulation core, manufactured with **Nilflam**® technology, faced on both sides with a coated glass tissue, 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 spilt 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.

The insulation core and facings used in the manufacture of **Kingspan Thermaroof**® TR25 resist attack by mould and microbial growth and do not provide any food value to vermin.

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.

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.

Packaging and Storage

The polyethylene polythene 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.

Standards & Approvals

Kingspan Thermaroof® TR25 is manufactured to the highest standards under a management system certified to BS EN ISO 9001: 2008 (Quality Management Systems. Requirements), BS EN ISO 14001: 2004 (Environmental Management Systems. Requirements) and BS OHSAS 18001: 2007 (Health and Safety Management Systems. Requirements.)

Product Data

| Property | Result |
|---|---|
| General | |
| Product Thickness | Refer to local distributor for current stock and non-stock sizes |
| Board Length (mm) | 1200 (2400) |
| Board Width (mm) | 600 (1200) |
| Compressive Strength (BS EN 826: 1996) | Typically exceeds 150 kPa @ 10% compression |
| Water Vapour Resistivity (BS EN 12086: 1997) | > 300 MN·s/g·m |
| Thermal | |
| Thermal Conductivity (BS EN 13165: 2008) | 0.026 W/m·K (thickness < 80) 0.025 W/m·K (thickness 80–119 mm) 0.024 W/m·K (thickness ≥ 120 mm) |
| Fire | |
| External Fire Exposure Roof Test (BS 476-3: 2004) | Dependent on cold liquid applied waterproofing adopted |

Roof Waterproofing

The waterproofing membrane should be installed in accordance with the membrane manufacturer's instructions in all cases.

Tapered Roofing

For tapered insulation schemes incorporating **Kingspan Thermaroof**® TR25, please contact tapered@kingspaninsulation.co.uk.



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