



## Thermarroof™ TR22

HIGH COMPRESSIVE STRENGTH INSULATION COVER BOARD FOR USE IN OVERLAYING NEW AND EXISTING FLAT ROOFS WATERPROOFED WITH SINGLE-PLY & COLD LIQUID APPLIED WATERPROOFING



- High performance rigid thermoset insulation – thermal conductivities as low as 0.028 W/m-K
- High compressive strength, typically exceeding 400 kPa @ 10% compression
- Compatible with most green roofing 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

Fibre-free  
Core

  
**Kingspan™**

*Low Energy –  
Low Carbon Buildings*

## Description

Kingspan **Thermaroof™** TR22 is a high compressive strength insulation cover board which helps to resist damage from foot traffic and heavy loads, and is suitable for use on flat roofs waterproofed with single-ply and cold liquid applied waterproofing. Kingspan **Thermaroof™** TR22 comprises a high performance rigid thermoset polyisocyanurate (PIR) fibre free insulation core, manufactured with a coated 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 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.

### 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 roof 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 (mm)	15
Board Length (mm)	2400*
Board Width (mm)	1200*
Compressive Strength (BS EN 826: 2013)	Typically exceeds 400 kPa @ 10% compression
Water Vapour Resistivity	> 300 MN-s/g-m
Thermal	
Thermal conductivity (BS EN 13165: 2012 + A1 12015)	0.028 W/mK

\* For other board sizes, please contact Kingspan Insulation (see below).

## Standards & Approvals

Kingspan **Thermaroof™** TR22 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).

*Kingspan Insulation Ltd. reserves the right to amend product specifications without prior notice. Product thicknesses shown in this document should not be taken as being available ex-stock and reference should be made to the current Kingspan Insulation price-list or advice sought from Kingspan Insulation (see below). The information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Recommendations for use should be verified for suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Kingspan Insulation offers a Technical Advisory Service (see below), the advice of which should be sought for uses of Kingspan Insulation products that are not specifically described herein. Please check that your copy of this literature is current by contacting Kingspan Insulation (see below).*



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