



See overleaf for applicable countries

Thermafloor™ TF70

INSULATION FOR SOLID CONCRETE GROUND FLOORS



- High performance rigid thermoset insulation – thermal conductivities as low as 0.022 W/m-K
- Can reduce the cost of related items – soil removal, service connections
- Unaffected by air infiltration
- 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

Thermafloor™ TF70

Description

Kingspan **Thermafloor™** TF70 is a high performance fibre-free rigid thermoset polyisocyanurate (PIR) insulation core, faced on both sides with a low emissivity composite foil **Fibre-free Core** 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, the surface of all boards should be covered in order to provide protection from inclement weather.

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)	Refer to Kingspan Insulation for current stock and non-stock sizes
Board Length (mm)	2400*
Board Width (mm)	1200*
Density (BS EN 1602: 2013)	32 Kg/m ³
Compressive Strength (BS EN 826: 2013)	Typically exceeds 140 kPa @ 10% compression
Water Vapour Resistance	> 100 MN·s/g
Thermal	
Thermal conductivity (BS EN 13165: 2008)	0.022 W/m·K

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

Standards & Approvals

Kingspan **Thermafloor™** TF70 is manufactured to the highest standards under a management system certified to ISO 9001: 2008 (Quality Management Systems. Requirements), ISO 14001: 2004 (Environmental Management Systems. Requirements) and BS OHSAS 18001: 2007 (Health and Safety Management Systems. Requirements).

Kingspan Insulation reserves the right to amend product specifications without prior notice. The information contained in the document is given in good faith and applies to the uses described. Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications and any applicable laws and regulations. Kingspan Insulation recommend using the Technical Advice service.



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Countries comprise: all of Africa; South and Central America; the Caribbean; the Middle East and Asia as far north and east as (and including) Turkey, Georgia, Azerbaijan, Kazakhstan, Kyrgyzstan, Afghanistan, Pakistan, India, Nepal, Bhutan and Bangladesh.

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