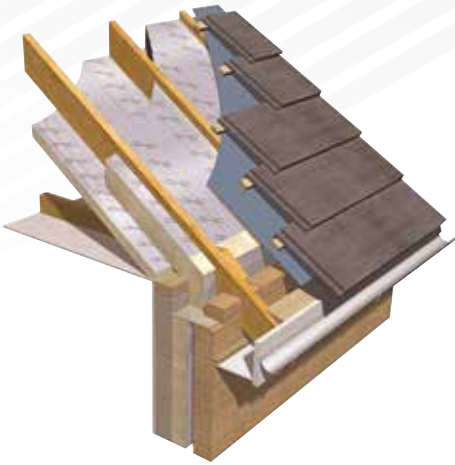


PITCHED ROOFING INSULATION BOARD



Features

- High performance PIR insulation
- 0.022 W/mK lambda
- Manufactured using a blowing agent with zero ODP (Ozone Depletion Potential) and low GWP (Global Warming Potential)

Description

TIL-R Pitched Roofing Insulation Board is a high performance PIR insulation, perfectly suited to multiple applications. Suitable for pitched roof, floor or framed wall applications, TIL-R Pitched Roofing Insulation Board benefits from an excellent thermal performance. With zero Ozone Depletion Potential (ODP) and a low Global Warming Potential (GWP), this high quality product offers energy saving benefits to the entire building.

Lightweight, easy to cut, handle and install, the board is available in a variety of thicknesses to suit your precise specification and ensure you meet and exceed thermal regulations.

With TIL-R Pitched Roofing Insulation Board, you are specifying a board that:

- Has a low thermal conductivity value (0.022 W/mK) providing an excellent thermal performance.
- Is available in a range of thicknesses from 25mm - 160mm and in a board size of 2400mm x 1200mm.
- Will not degrade or deteriorate if exposed to moisture, therefore maintaining its thermal performance.

Applications

- Pitched roofs
- Framed walls
- Floors (compatible with underfloor heating systems)

* Thickness dependent

Installation Guidelines

For full details of the installation of TIL-R Pitched Roofing Insulation Board, please refer to the applications pages of the Specifier's Guide. See applications section for installation and handling.

Thermal Resistance

Thickness (mm)	R-value (m ² K/W)
50	2.25
100	4.50

Product Details

Thermal Conductivity	0.022 W/mK
Compression Strength	dN <50mm : 120 kPa - dN 50-160mm 140 kPa
Moisture Vapour Resistance	Installed value of 100 MNs/g
Specific Heat Capacity	1.4kJ/kgK
Fire Performance	Class 1 BS 476 (Part 7)
Dimensions	2400mm (l) x 1200mm (w)
Facing	Multi-layer gas tight aluminium foil

Sustainable Solutions

TIL-R Pitched Roofing Insulation Board has been designed and manufactured to result in the lowest environmental impact. This drives our 'A rating' in the BRE Green Guide 2008 under element number 815320017. TIL-R Pitched Roofing Insulation Board has a zero ODP (Ozone Depletion Potential) and low GWP (Global Warming Potential).

Specification Clause

The insulation shall be TIL-R Pitched Roofing Insulation Board _____ mm thick for use in pitched roof / framed walls / flooring applications, manufactured in accordance with an ISO 9001 quality management system and an ISO 14001 environmental management system. It should comprise a rigid polyisocyanurate (PIR) core faced on both sides with a gas tight multilayer composite aluminium foil facing. The product should have a low GWP, zero ODP and achieve a CE marking compliance to BS EN 13165. TIL-R Pitched Roofing Insulation Board should be installed in accordance with TIL-R's recommendations.

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