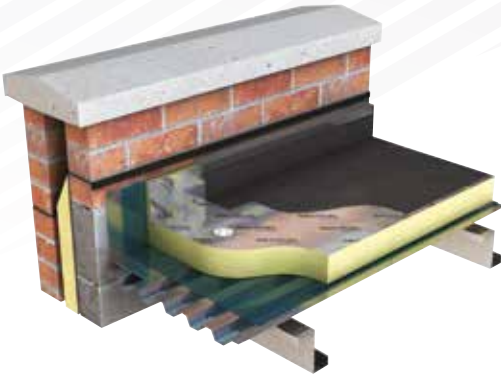


MECHANICALLY FIXED INSULATION BOARD



Features

- High performance PIR insulation
- 0.022 W/mK lambda
- High compressive strength
- Low global warming potential
- Zero ozone depletion potential

Description

FIX-R Mechanically Fixed Insulation Board is a high performance rigid PIR foam board for use in warm flat roofs under mechanically fixed single-ply membrane systems.

With dimensional stability and a super-flat surface, the board benefits from a high compression strength that exceeds 150kPa at yield and is suitable for loads associated with maintenance traffic on roofing systems.

With FIX-R Mechanically Fixed Insulation Board, you are specifying an insulation board that:

- Has a low thermal conductivity value (0.022 W/mK) providing an enhanced thermal performance.
- Compression strength exceeds 150kPa at yield.
- Has Class 1 fire performance in accordance with BS 476 (Part 7).
- Will not degrade or deteriorate if exposed to moisture, therefore maintaining its thermal performance.

Applications

- Warm flat roofs under mechanically fixed single-ply waterproofing systems.

Installation Guidelines

For full details of the installation of FIX-R Mechanically Fixed 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)
60	2.70
70	3.15
75	3.40
80	3.60
90	4.05
100	4.50
110	5.00
120	5.45

Product Details

Thermal Conductivity	0.022 W/mK
Compression Strength	Exceeds 150kPa at yield
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) Available as tapered insulation board
Facing	Multilayer coated aluminium on both sides

Sustainable Solutions

FIX-R Mechanically Fixed 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. FIX-R Mechanically Fixed Insulation Board has a zero ODP (Ozone Depletion Potential) and a GWP (Global Warming Potential) rating of below 5.

Specification Clause

The insulation shall be FIX-R Mechanically Fixed Insulation Board _____ mm thick for use in single-ply membrane flat roofing 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 GWP of below 5, a zero ODP and achieve a CE marking compliance to BS EN 13165. FIX-R Mechanically Fixed Insulation Board should be installed in accordance with FIX-R's recommendations.

Date of issue: Feb 19