

Parafoam Ultra LPC/FM

HIGH PERFORMANCE RIGID PIR FOAM ROOF INSULATION BOARDS

Description

Parafoam Ultra LPC/FM is a high-performance roof insulation board with a CFC/HCFC free, rigid polyisocyanurate (PIR) foam core. The facing on both sides is a wet-lay coated glass fibre tissue autohesively bonded directly to the foam core during manufacture.

- Parafoam Ultra LPC/FM**
- Is LPCB*. approved to LPS1181: Part 1
 - Is FM (Factory Mutual) approved to FM4470 class 1
 - BBA approved
 - Has zero Ozone Depletion Potential (ODP)
 - Has an LCA (Life Cycle Assessment) rating of 0.069(Equivalent to 'A' rating in the Green Guide to Specification)

* Loss Prevention Certification Board

Use

Parafoam Ultra LPC/FM is a high efficiency, thermal insulation board for use under partially bonded or mechanically fixed bituminous roof waterproofing systems.

Tapered Parafoam Ultra LPC/FM is available where falls and cross-falls are to be formed by the insulation. Mitres are 'pre-cut' to minimise on-site waste.

Physical Characteristics

Typical density of foam core: 32 kg/m³

Thermal conductivity (λ – value):
 0.027 W/m²K for board thickness < 80 mm
 0.026 W/m²K for board thickness 80 mm to < 120 mm
 0.025 W/m²K for board thickness \geq 120 mm

Compressive strength: typically exceeds 150 kPa at 10% compression and 125 kPa at 5% compression when tested to BS EN 826:1996.

Nominal Dimensions

Standard board dimensions: 1200 mm x 600 mm
Standard thicknesses (mm): 25, 40, 50, 60, 80, 90, 95 & 100

Installation

Parafoam Ultra LPC/FM & Tapered Parafoam Ultra LPC/FM must be installed in accordance with the recommendations of BS 8217: 2005. Fixing can be with hot bitumen or Insta-Stik™ PU adhesive or mechanical fasteners. Boards should be lightly butted with offset joints.

A vapour control layer should be installed in accordance with BS 5250: 2002 and BS 6229: 2003.

Contact Langley Waterproofing Systems Ltd for detailed specifications and fixing instructions, U-value and condensation risk calculations and tapered schemes.

Storage

Packs of **Parafoam Ultra LPC/FM** should be stored under cover on a clean, level surface clear of the ground. Boards should not be stored in direct sunlight or in a hot environment as bowing could result.

Safety

This product is not classed as hazardous. See Health & Safety data sheet for further information.

This document is only a guide. Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.

Langley Waterproofing Systems Ltd

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