



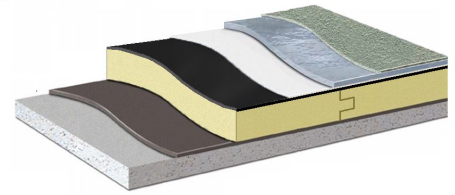
Polyroof 'RES' Balcony Board

High-performance insulation board with a tough finish for balconies

Polyroof 'RES' Balcony Board consists of high performance T&G rigid polyisocyanurate (PIR) foam insulation with a 3mm high-strength, non-compressible and puncture-resistant facing board which provides total protection from regular balcony usage. The boards can be directly coated with the BBA-approved Protec waterproofing system and finished with a durable anti-slip finish to provide a uniquely efficient and effective solution for trafficked warm roof designs.

Specifications & Key Benefits

- ✓ 1.2m x 1.0m boards with Tongue & Groove joints
- ✓ 3.2mm protective facing board consisting of a bituminous core sandwiched between two layers of non-woven glass fibre reinforcement
- ✓ High-strength, puncture resistant and non-compressible facing board bonded to the PIR insulation
- ✓ High-performance PIR insulation providing excellent thermal conductivity
- ✓ Boards are directly waterproofed without the need for additional carrier layers or plywood decking
- ✓ Minimises the height of the roof build-up allowing for more flexible designs in terms of upstand thresholds
- ✓ The boards are rot-proof, durable and maintenance-free.
- ✓ Available with bespoke cut-to-falls designs to reduce standing water.



Technical Details

Weight

Typical weights: 53mm (consisting of 3mm facing board and 50mm PIR insulation) = 6.61 Kg/m²
93mm (consisting of 3mm facing board and 90mm PIR insulation) = 7.94 Kg/m²
123mm (consisting of 3mm facing board and 120mm PIR insulation) = 8.94 Kg/m²

Dimensions

Each board is 1000mm x 1200mm with standard thicknesses of 53mm, 93mm, 123mm (other thicknesses available on request, including cut-to-falls schemes)

Thermal Conductivity of PIR Insulation Component

The declared conductivity of the PIR insulation component is 0.0236 W/mk when tested using BS EN 13165:2001

Specific Heat Capacity of the PIR Insulation Component

The specific heat capacity of the PIR insulation component is 1.4 kJ/kgK

Moisture Vapour Transmission of PIR Insulation Component

The foil face of the PIR insulation component give it an almost infinite water vapour resistance value. The joints between boards however will facilitate the passage of a limited amount of moisture vapour under normal conditions of temperature and humidity.

Contact Polyroof Technical Services on 0800 801 890 for details