

PRODUCT DATA SHEET

Sikatherm[®] PIR AL RK2

High performance rigid thermoset insulation

PRODUCT DESCRIPTION

Sikatherm[®] PIR AL RK2 is a high performance rigid neo-thermoset insulation manufactured with a blowing agent that has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP).

USES

Thermal insulation underneath the appropriate specified Sika[®] roof waterproofing.

CHARACTERISTICS / ADVANTAGES

- Thermal conductivity of 0.021 W/mK
- Euroclass D-s2,d0
- Produced with a blowing agent with zero Ozone Depletion Potential (ODP)
- Light weight and low load on the roofing structure
- High compressive strength

PRODUCT INFORMATION

Packaging	Full length and width boards in protective wrapping
Shelf Life	5 years from date of production
Storage Conditions	Product must be stored in original unopened and undamaged sealed packaging in dry indoor conditions. If stored outside the boards must be stacked clear of the ground and covered with a polythene sheet or weatherproof tarpaulin. Boards that have become wet must be discarded. Always refer to packaging.
Density	~32 kg/m ³
Dimensions	Board size: 2400 × 1200 mm
Compressive Strength	> 150 kPa at 10 % deformation
Reaction to Fire	D-s2,d0
Thermal Conductivity	0.021 W/mK

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate surface must be uniform, smooth and free of any sharp protrusions or burrs, etc. It must be clean, dry and free of grease and dust.

APPLICATION METHOD / TOOLS

Installation procedure

Reference must be made to further documentation where applicable, such as specification, application manual and installation or working instructions.

General

Sikatherm® PIR AL RK2 must be laid over a vapour control layer and attached to the substrate with mechanical fixings. Fixing method The number of mechanical fixings required to fix Sikatherm® PIR AL RK2 will vary with the geographical location of the building, the local topography and the height and width of the roof concerned along with the deck type. A minimum of 6 fixings are required to secure a 2,4 × 1,2 m insulation board to the deck. The requirement for additional fixings must be assessed in accordance with local national norms and standards. Mechanical fixings must be arranged in an even pattern. Fasteners at board edges must be located >50 mm and <150 mm from edges and corners of the board. Each fixing must incorporate a square or circular plate washer (minimum 50 mm × 50 mm or 50 mm diameter).

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

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The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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