

PRODUCT DATA SHEET

Sarnatherm® PIR AL NZ

PIR THERMAL INSULATION BOARD

AVAILABLE
ON INDENT
ORDER
ONLYSIKA NZ
APPROVED
CONTRACTOR
ONLY

DESCRIPTION

Sarnatherm® PIR AL NZ is a rigid insulation board, faced on both sides with an aluminium composite foil autohesively bonded to the insulation core during the manufacturing process. The core of Sarnatherm® PIR AL NZ is a high performance rigid urethane insulant with a typical density of min. 32kg/m³.

USES

Thermal insulation underneath Sika roof waterproofing membrane layers in the following roofing systems:

- Sarnafil® S 327 mechanically fastened single ply membrane systems

CHARACTERISTICS / ADVANTAGES

- Very low thermal conductivity
- Ideal for new construction and refurbishment
- No separation layer for membranes is required
- High compressive strength
- Lightweight and low load on the roofing structure
- Available in uniform thicknesses or tapered

PRODUCT INFORMATION

Packaging	Standard board size is 2400mm x 1200mm. Refer to Sika® New Zealand for further information.
Shelf Life	24 months from date of production.
Storage Conditions	The packaging of Sarnatherm® PIR AL NZ shall not be considered adequate for long term protection outdoors. Ideally, boards shall be stored inside a building, in cool, dry and stable conditions away from chemicals, extreme temperatures and direct heat sources. If, however, outside storage cannot be avoided the boards shall be stacked clear of the ground and protected from UV light and water with a polythene sheet or weatherproof tarpaulin. Boards that have been allowed to get wet must not be used.
Density	Typically 32kg/m ³
Dimensions	2400mm x 1200mm for flat boards Refer to Sika New Zealand regarding dimensions for tapered board solutions
Thickness	Available in a range of thicknesses. Refer to Sika New Zealand for options.
Thermal Conductivity	0.0215 W/m ² K

System Structure

Ancillary products and system components include:

Roof waterproofing membranes:

- Sarnafil S 327

Fasteners and fixings:

- Sarnafast® and Sarnadisc® fasteners and washers

Vapour control layers:

- Sarnavap® range

BASIS OF PRODUCT DATA

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.

USES

Installation work must only be carried out by Sika® trained and approved contractors, experienced in this type of application. Temperature limits will depend on waterproofing membrane installation limits. Use of some ancillary products, e.g. adhesives is limited to temperatures above +5°C. Please observe information given by Product Data Sheets.

ECOLOGY HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

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

APPLICATION METHOD / TOOLS

Installation procedure:

Sarnatherm® PIR AL NZ shall be laid over a suitable vapour control layer. Sarnatherm® PIR AL NZ must be attached to the substrate with the appropriate mechanical fixings. Project specific fixing details must be ascertained from the latest Sarnafil® project specification.

LEGAL NOTES

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika (NZ) Limited

85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz



Product Data Sheet

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