

PRODUCT DATA SHEET

Sarnatherm[®] S

PIR THERMAL INSULATION BOARD

PRODUCT DESCRIPTION

SarnaTherm S 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 S is a high performance CFC / HCFC – free rigid urethane insulant with a typical density of 32 kg/m³.

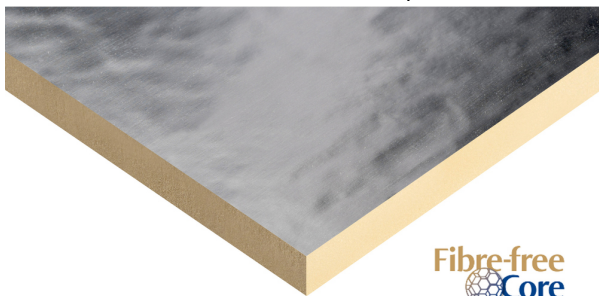
USES

Thermal insulation underneath waterproofing layer in following roofings systems:

- Sarnafil[®] S 327 and TS type mechanically fastened single ply membrane systems

CHARACTERISTICS / ADVANTAGES

- Very low thermal conductivity
- CFC/HCFC-free with zero Ozone Depletion Potential (ODP)
- Ideal for new construction and refurbishment
- No separation layer for membranes is required
- High compression strength
- Lightweight and low load on the roofing structure
- Available as uniform thickness or tapered



Fibre-free
Core

PRODUCT INFORMATION

Packaging

Please refer to the latest price list

Shelf Life	Will not expire in the short term if stored correctly
Storage Conditions	The packaging of SarnaTherm S shall not be considered adequate for long term outside protection. Ideally, boards shall be stored inside a building. If however, outside storage cannot be avoided the boards shall be stacked clear of the ground and covered 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	1200mm x 600mm 2400mm x 1200mm 1200mm x 1200mm (tapered only)
Thickness	Please refer to the current price list
Compressive Strength	d ≤ 80mm (kPa) CS(10/Y)150 d ≥ 80mm (kPa) CS(10/Y)120
Dimensional Stability	48 h, 70 °C, 90 % R.H. DS(70,90)3 48 h, -20 °C DS(-20,-)1
Reaction to Fire	Class E EN 13501-1
Thermal Conductivity	0.022
System Structure	Ancillary products and system components according to local price list. Roof waterproofing single ply membranes: ▪ Sarnafil® S 327, TS Fasteners and fixings: ▪ Sarnafil® fixing range Vapour control layers: ▪ Sarnavap® range

SUBSTRATE QUALITY

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

APPLICATION METHOD / TOOLS

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

LIMITATIONS

Installation works to be carried out only by Registered Sarnafil® Contractors. 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.

VALUE BASE

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product

may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

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.

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