

PRODUCT DATA SHEET

Sarnatherm® S

PIR THERMAL INSULATION BOARD

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.

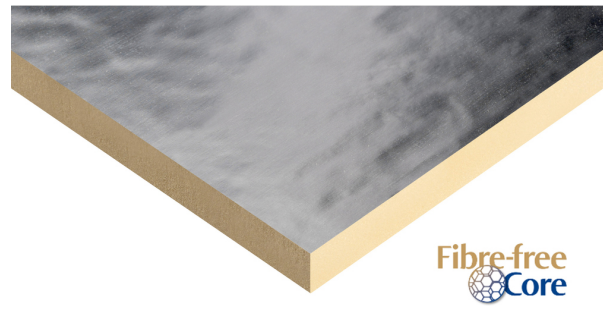
USES

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



PRODUCT INFORMATION

Packaging	6 pcs per pack (Thickness : 50 mm) 4 pcs per pack (Thickness : 70 mm)
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 32 kg/m ³
Dimensions	1200 mm x 2700 mm
Thickness	50 mm, 70 mm

Compressive Strength	d ≤ 80 mm (kPa) CS(10/Y)150 d ≥ 80 mm (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: <ul style="list-style-type: none"> ▪ Sarnafil® S 327, TS Fasteners and fixings: <ul style="list-style-type: none"> ▪ Sarnafil® fixing range Vapour control layers: <ul style="list-style-type: none"> ▪ 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.

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.

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.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w). Local safety regulations must be observed. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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.

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