

## PRODUCT DATA SHEET

## Sarnatherm® EPS NZ

Rigid expanded polystyrene insulation board

SIKA NZ  
APPROVED  
CONTRACTOR  
ONLYAVAILABLE  
ON INDENT  
ORDER  
ONLY

## DESCRIPTION

Sarnatherm® EPS NZ is a rigid insulation board made from expanded polystyrene.

## USES

Used as a component in Sarnafil® membrane roofing installations to create a warm roof system. Suitable substrates include:

- Concrete
- Plywood
- Metal

in combination with other system components including Sarnavap® vapour barriers and Sarnafil® S-Felt separation layers.

## CHARACTERISTICS / ADVANTAGES

- Component of complete Sika warm roof systems
- Manufactured with no CFC's or HCFC's
- Zero ODP (Ozone Depletion Potential)
- Non-toxic
- 100% recyclable

## PRODUCT INFORMATION

Chemical Base	Polystyrene foam core
Packaging	Supplied in strapped, unwrapped bundles depending on individual board thickness.
Appearance / Colour	Rectangular, rigid foam board, white in colour
Shelf Life	Five years when stored out of direct sunlight exposure.
Storage Conditions	When stored outdoors, the insulation should be kept off the ground by at least 100mm and be protected from exposure to direct sunlight and weather using an opaque, light-coloured tarpaulin. <b>Do not use a dark-coloured tarpaulin.</b> Product must be kept and installed dry. Wet boards must be replaced with dry ones prior to installation.
Density	28.0 kg/m <sup>3</sup>
Dimensions	2400 mm x 1200 mm boards
Compressive Strength	189 kPa at 10% resistance (AS 2498.3)
Dimensional Stability	1% at 70°C (7 days) (AS 2489.6)

Reaction to Fire	Flame spread index	0	(AS/NZS 1530.3:1999)
	Smoke development index	5	
Permeability to Water Vapour	400 mg/m <sup>2</sup> s		(AS2498.5)
Thermal resistance	0.035 W/m <sup>2</sup> K		

## 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

- Care must be taken whenever solvents are present near polystyrene insulation
- Do not use solvent-based adhesives with systems incorporating polystyrene insulation for roof membrane attachment
- Foam plastic insulation will ignite if exposed to fire of sufficient heat and intensity. Protect foam insulation from exposure to open flame or other ignition sources during shipment, storage and installation
- Polystyrene insulations should not be used in direct contact with chimneys, heater vents, steam pipes or other surfaces where temperatures exceed 65°C
- Waterproofing membranes without a felt isolation layer (either integral or separate) should not be placed in direct contact with polystyrene
- Where dark-coloured membranes are specified, additional protection should be considered where solar energy reflection is expected to be present
- Areas adjacent to higher walls or other structures with reflective cladding should be considered for additional heat protection. Such areas include, but are not limited to, areas near metal or glass cladding, near or in between large groupings of mechanical equipment, or near higher reflective parapets. Protection measures include applying pavers or ballast to the affected area

## 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.

## ECOLOGY HEALTH AND SAFETY

### 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.

**Sika (NZ) Limited**  
85-91 Patiki Road  
Avondale, Auckland 1026  
New Zealand  
0800 745 269  
www.sika.co.nz



**Product Data Sheet**  
**Sarnatherm® EPS NZ**  
July 2025, Version 01.01  
020935032000000016

SarnathermEPSNZ-en-NZ-(07-2025)-1-1.pdf