

PRODUCT DATA SHEET

Sikatherm[®] XPS 320 MJ

EXTRUDED POLYSTYRENE THERMAL INSULATION BOARD

DESCRIPTION

Sikatherm[®] XPS 320 MJ is a rigid insulation board based on extruded polystyrene. The boards are part of the Sika[®] Sarnafil[®] and Sikalastic[®] flat roof system.

USES

Thermal insulation as part of an inverted roof construction, laid over the waterproofing layer, in the following roofing systems:

- Sika[®] Sarnafil[®] sheet membrane
- Sikalastic[®] liquid applied membrane flat roof system

CHARACTERISTICS / ADVANTAGES

- Excellent thermal insulation properties
- Easy to install
- Good form stability
- Recyclable
- Closed cell structure minimising water absorption
- High compression strength
- Available in square and shiplap edge

PRODUCT INFORMATION

Composition	Extruded Polystyrene (XPS)	
Packaging	Clear PE plastic bag	
Colour	Yellow	
Shelf life	The product does not expire if properly stored	
Storage conditions	Store boards protected in a dry location protected from direct sunlight, rain and snow.	
Density	32 kg/m ³ (available in higher density)	(ASTM D 1622:2014)
Dimensions	Length	~1.2 m
	Width	~0.6 m
Thickness	25 mm & 50 mm (available in different thicknesses)	

TECHNICAL INFORMATION

Compressive strength	≥ 300 kPa	(ASTM D1621:2010)
Reaction to fire	Meet the requirement for classification as HB	(ASTM D 635-14)
Thermal conductivity	≤ 0.031 W/(m*K)	(ASTM C518:2015)
Water absorption	< 0.5 %	(ASTM C272:2001 Reapproved 2007)

SYSTEMS

System Structure

Ancillary, complementary products:

- S-Felt; separation layer
- Sika® Sarnafil® PVC membrane and system components
- Sikalastic® liquid applied membrane systems

Compatibility

Sikatherm® XPS 320 MJ is not compatible with:

- Solvents of all kinds
- Heat / Fire of all kinds
- Flexible PVC membranes (a separation layer is required)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate should be smooth, dry and strong enough to support the Sika® Sarnafil® or Sikalastic® roof system.

IMPORTANT CONSIDERATIONS

Sikatherm® XPS 320 MJ can be cut using standard application tools (knife or saw). Consult the installation manual for more details.

BASIS OF PRODUCT DATA

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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Product Data Sheet
Sikatherm® XPS 320 MJ
June 2020, Version 01.01
020935051000000002

SikathermXPS320MJ-en-ID-(06-2020)-1-1.pdf

