

PRODUCT DATA SHEET

Sikatherm® XPS 300 U

Extruded Polystyrene Insulation

PRODUCT DESCRIPTION

Sikatherm® XPS 300 U a high performance rigid extruded polystyrene insulation board for use in inverted roof build ups.

USES

- Inverted Roofs
- Green Roofs
- Blue Roofs
- Bio-Solar Roofs

CHARACTERISTICS / ADVANTAGES

- Thermal conductivities as low as 0.027 W/m.K
- Protects waterproofing membrane
- Minimal water absorption
- High compressive strength
- Easy to handle and install
- Ideal for new build and refurbishment

PRODUCT INFORMATION

Chemical Base	Extruded Polystyrene	
Packaging	Shrink Wrapped	
Colour	Grey	
Shelf Life	Will not expire in the short term if stored correctly	
Storage Conditions	Material shall be stored inside in original packaging, away from direct sun light or heat sources.	
Density	32 kg/m ³	(BS EN 1602)
Dimensions	1250mm x 600mm	
Thickness	Board sizes are available in the below thicknesses	
	70mm	80mm
	100mm	105mm
	130mm	145mm
	175mm	205mm
Compressive Strength	300 kPa (at 10% compression)	(BS EN 826)
Creep	Compressive creep (design load) max 2% deflection after 50 years* 110 kPa * depending on thickness of board	
		(BS EN 1606)
Reaction to Fire	Euroclass E	(BS EN 13501-1)

Thermal Conductivity	Thickness (mm)	Thermal Resistance (Rd m².K/W)
	70	2.60
	80	3.00
	105	3.85
	130	4.80
	145	5.35
	175	6.45
	205	7.55
Service Temperature	-50 - 75°C	
Freeze thaw resistance	≤1 % Vol (after 300 cycles)	(BS EN 12091)

VALUE BASE

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.

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 the 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).

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.

The waterproofing system should be inspected by the Sika® Site Support Engineer prior to being covered with the insulation and ballast.

APPLICATION

Sikatherm® XPS 300 U are rebated and should be installed over a suitable Sika® roof waterproofing system. Project specific installation details must be ascertained from the latest Sika project specification.

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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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