

PRODUCT DATA SHEET

Sikatherm® EPX N 300 R

EXTRUDED POLYSTYRENE THERMAL INSULATION BOARD

PRODUCT DESCRIPTION

Sikatherm® EPX N300 R is a high performance rigid extruded polystyrene insulation board with a smooth, dense skin on both faces. It has a typical density of 32kg/m³.

USES

Thermal insulation in inverted Sika® roof waterproofing systems.

CHARACTERISTICS / ADVANTAGES

- thermal conductivities as low as 0.035 W/m.K
- Protects waterproofing membrane
- Minimal water absorption
- High compressive strength
- Withstands freeze / thaw cycles
- Compatible with green roof systems
- Resistant to the passage of water vapour
- Easy to handle and install
- Ideal for new build and refurbishment
- Non-deleterious material
- Manufactured with a blowing agent that has zero ODP and a GWP of 1

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 Sikatherm® EPX N300 R 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	32 Kg/m ³ (BS EN 1602: 2013)
Dimensions	See current price list

Thickness	See current price list
Compressive Strength	Compressive Strength Typically exceeds 300 kPa @ 10% compression (BS EN 13166: 2008)
Reaction to Fire	Class E (EN 13501-1)
Thermal Conductivity	Thermal Conductivity(BS EN 13166: 2008): 0.035 W/m.K (insulant thickness 50 –120 mm); 0.036 W/m.K (insulant thickness 140 mm); and 0.037 W/m.K (insulant thickness 160 mm).
Diffusion Resistance to Water Vapour	Water Vapour Resistivity > 825 MN.s/g.m (BS EN 12086: 1997)

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

Installation procedure:
Sikatherm® EPXN 300 R shall be laid over a suitable Sika roof waterproofing system. Project specific installation details must be ascertained from the latest Sika project specification.

FURTHER DOCUMENTS

Installation works to be carried out only by Sika® Roofing Contractors. Temperature limits will depend on the roof waterproofing system and 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 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

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 recom-

mendations, 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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