

PRODUCT DATA SHEET

Sikatherm[®]-830 XPS

EXTRUDED RIGID POLYSTYRENE FOAM BOARD

DESCRIPTION

Sikatherm[®]-830 XPS is a light weight, rigid, high performance insulation board made of extruded polystyrene with closed cell structure. Supplied in different thicknesses and with different edge designs (square edge and shiplaped), Sikatherm[®]-830 XPS can be used in a wide variety of roofing systems and waterproofing systems.

USES

For protected membrane roofs is simple the waterproofing membrane is laid direct to roof deck & thermal insulation which consist the combination of strength and very low moisture absorption. Protected membrane roofs can apply to the following:

- Schools, Hospitals and other public buildings
- Offices
- Retail developments
- Industrial delvelopments
- Green / garden roofs
- Roof terraces and patio areas
- Roof top car parks

CHARACTERISTICS / ADVANTAGES

- Easy-to-apply
- Excellent thermal insulation
- High compressive strength
- High compatibility to most commonly used materials
- Light-weight
- Low water absorption rate
- Low water permeability

PRODUCT INFORMATION

Packaging	1,200 × 600mm thickness 24, 40 or 50mm / piece
Shelf Life	60 months
Storage Conditions	Should not be left exposed to prolonged sunlight as this will result in surface degradation. Where outside storage for extended periods is required cover with opaque/light coloured sheeting. Ensure the boards are not stored close to open flame or other ignition source, also avoiding volatile compounds and chemicals such as solvents.
Density	35 kg/m ³
Length	1,200 mm
Width	600 mm

Thickness	25, 40, 50 mm
Compressive Strength	300 kpa
Water Vapour Transimission	1.9 ng/(m ² ·s·pa)
Thermal Conductivity	0.028 w/(m·k)
Water Absorption	1.0%

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.

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 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.

SIKA HONGKONG LTD.

Rm.1507-12, Blk A, New Trade Plaza,
6 On Ping Street, Shatin, N.T., H.K.
Phone: +852 26868108
Fax: +852 26453671
Mail: marketing@hk.sika.com
Website: www.sika.com.hk



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