

BLUSKY™ XPS XEL

Extruded Polystyrene Thermal Insulation Board

Description

BLUSKY™ XPS XEL extruded polystyrene is heavy duty thermal insulation rigid board is a high performance, energy conserving insulation material having proven track record. **BLUSKY™ XPS XEL** can be used widely for various climatic conditions. It has been successfully used for an extremely high and low temperature and with a varied humidity successfully in various part of the country and as well as in neighboring countries.

Indicative Characteristics

Parameter	Unit	BLUSKY™ XPS RG (Roof Grade)	BLUSKY™ XPS WG (Wall Grade)	BLUSKY™ XPS FG (Floor Grade)	BLUSKY™ XPS S (Super)
Density	Kg/cum	32 – 36	26 – 30	36 – 42	45
Thermal conductivity at 10°C	W/moK	0.026-0.028	0.026-0.028	0.022-0.026	0.022-0.026
Compressive strength at 10% Deflection	Kpa	250-300	190-210	550-600	650-700
Water absorption by submersion	% by Volume	0.2-0.25	0.2-0.25	0.19-0.22	0.18-0.20
Fire Classification	Building material	B2	B2	B2	B2
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Domains of Application

- Recommended for an invertible roofing systems for Polymer Modified bituminous membranes.
- Recommended for use in conventional methods where **BLUSKY™ XPS XEL** is placed below the membrane. (like EPDM, TPO and PVC membrane)

Method of Application

- Clean surface with broom and wire brush to remove all loose dust dirt and any other foreign materials
- In case of conventional roofing system, **BLUSKY™ XPS XEL** shall be laid on the roof surface by adhering with Suitable adhesive
- Membrane like EPDM, TPO and PVC shall be laid over **BLUSKY™ XPS XEL** as a waterproofing layer.
- In case of trafficable roof, membrane shall be protected with a suitable finish to avoid damage.
- In case of invertible roofing system, **BLUSKY™ XPS XEL** shall be laid over Polymer Modified Bituminous Membrane by adhering with Suitable adhesive for the **BLUSKY™ XPS XEL** board only on perimeter
- Rest on the roof area shall be covered with **BLUSKY™ XPS XEL** slabs by simply laying it free over the membrane

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the “Application” paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users Consult the latest update of the technical data sheet on our website www.bluskyscpl.com

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- In case the roof is not covered totally on the same day, the last row of **BLUSKY™ XPS XEL** shall be fully adhered with Suitable adhesive to ensure no displacement of the **BLUSKY™ XPS XEL** slab
- A layer of Geo -textile of 150 gsm shall be loosely laid with an overlap of 50 mm and all overlap joints shall be sealed totally with an adhesive.
- Finally a suitable protection of PCC or tiles fixed with a cement mortar bed shall be applied

Advantages

- Preferred thermal insulation material for Green Buildings.
- Can be used for different kind of areas in the building like roof, walls, and floors. It is also used for roofs with different shapes, size, and construction materials.
- Completely closed cell structure
- Resistant to moisture and water absorption
- High Thermal Resistance Highly
- Chemical Resistant Energy Saving
- Excellent shock absorption Excellent
- compressive strength Dimensionally stable
- Does not age and rot
- Fire Retardant
- Reusable and can be recycled
- Lightweight and durable
- Easy to cut handle and install
- Resistant to freeze thaw cycle

Shelf Life & Storage

Several years from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 35°C

Packing

Available in several grades in different densities and thicknesses. It is offered in density from 30 kg / cum to 45 Kg / cum and also available in thicknesses in 25, 30, 40, 50 mm. The normal size of slab is 2400 x 600 mm.

Safety

Before use, refer to the Material Safety Data Sheet

The MSDS is available on www.bluskyscpl.com

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