INSUTECH
International Company For Insulation Technology

INSO FOAM (XPS)

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BLOCK's INSO Foam (XPS) is a rigid board manufactured through a continuous extrusion process of polystyrene. The ISO Foam (XPS) board is available in a wide selection of thicknesses and comes in our standard blue color, either with a flat edge profile or lipped overlap edge profile.

KEY FEATURES

- Reduces electric power consumption
- Reduces CO^2 emissions due to superior insulating performance
- Reduces loads imposed on adjacent and underlying soils and structures
- Low thermal conductivity
- High resistance to water penetration
- Prevents the intensification of moisture in the walls
- High compressive stength
- Light weight and easily bonded.

APPLICATION

- Roof Insulation
- Wall Insulation
- Perimeter Floor Insulation
- Pipe Insulation
- Soundproofing
- Thermal Insulation for Refrigeration Cabinets

DELIVERY

Available Dimensions	Thickness (cm)		Side Shape	Color
123.5 (±0.5) x 60 (+0.3/-0.0)	5	± 0.2		Blue

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PROPERTIES	CODE	TEST METHOD	DESCRIPTION		UNIT	VALUE
Density		BDS EN 1602	-		kg/m³	34:36
Thermal Conductivity	λD	BDS EN 12667:2004	Value measured at a mean temperature of 10°C	mm 30 /40 mm 50/60	W/m.K	0.025 0.026
Thermal Resistance	RD	BDS EN 12667:2004	Value measured at a mean temperature of 10°C and related to thickness RD=d/ λD	mm 30 mm 40 mm 50 mm 60	(m²K)/W	1.2 1.6 2 2.4
Compressive Strength	CS(10/Y)	BDS EN 826:2013	Compression to 10% of thickness	mm 30 From mm 40 to 60	kPa	300 400
Dimensional Stability	DS(TH)	EN 1604	Test conditions (Storage for 48 h at 70 °C -90% Relative Humidity	Linear variation Variation in thickness	%	<5
Specific Heat		EN 12524			J/(Kg.K)	1200
Water Vapor Diffusion Resistance	MU	BDS EN 12086:2013	Value measured at a mean temperature of 22 °C		μ	≥ 200
Water Absorption By Immersion	WL(T)	BDS EN 12087:2013	Total immersion for 7 days , Method 2A		% volume	≤ 0.7
Using Temperature	°C				°C	75
Tensile Strength Perpendicular To Faces	TR		mm 30 mm 50		kPa	≥ 400 ≥ 600

- BLOCK reserves the right to modify product specifications due to customer request and/or continuous product development without any prior notice
- This publication revokes any previous one. issue 1/©2019