

XPS FOAM

INSUTECH's XPS is a rigid board manufactured through a continuous extrusion process of polystyrene. The 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 CO² 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 strength
- Light weight and easily bonded.

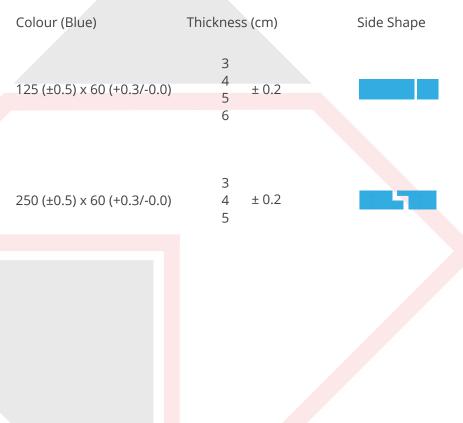
APPLICATION

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

INSTALLATION

Please refer to the INSUTECH Applicator Guide for complete instructions on the application of the product.

DELIVERY





PROPERTIES	CODE	TEST METHOD	DESCRIPTION -		UNIT	VALUE
Density		BDS EN 1602			kg/m³	32:36
Thermal Conductivity	λD	BDS EN 12667:2004	Value measured at a mean temperature of 10°C	mm 30 /40	W/m.K	0.025
				mm 50/60		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	(m²K)/W	1.2
				mm 40		1.6
				mm 50		2
				mm 60		2.4
Compressive Stress	CS(10/Y)	BDS EN 826:2004	Compression to 10% of thickness	mm 30	- kPa -	200
				From mm 40 to 60		300
Dimensional Stability	DS(TH)	EN 1604	Test conditions (Storage for 48h at 70°C –90% Relative Humidity	%	Linear variation	<5
					Variation in thickness	<5
Specific Heat	-	EN 12524	-	J/(KgK)	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 28 days, method 2A	% volume	≤ 0.7	
Using temperature	°C	-	-	-	75	
Tensile strength		BDS EN	mm 30		≥400	
perpendicular to faces		1607:2013	mm 50	kPa	≥600	
Fire Rating	Euro class	UNI EN 13501 -1	-	-	E	

- INSUTECH 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 $1/\ensuremath{\mathbb C} 2016$

