

## 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 CO<sup>2</sup> 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

Colour (Blue)	Thickness (cm)	Side Shape
125 (±0.5) x 60 (+0.3/-0.0)	3	
	4 ± 0.2	
	5	
	6	
250 (±0.5) x 60 (+0.3/-0.0)	3	
	4 ± 0.2	
	5	

PROPERTIES	CODE	TEST METHOD	DESCRIPTION		UNIT	VALUE
Density		BDS EN 1602	-		kg/m <sup>3</sup>	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	(m <sup>2</sup> K)/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 perpendicular to faces	-	BDS EN 1607:2013	mm 30	kPa	≥400	
			mm 50		≥600	
Fire Rating	Euro class	UNI EN 13501 -1	-	-	E	

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