

WONDERBUILDS XPS

Foam Board

Description

WonderBuilds XPS is a rigid board manufactured through a continuous extrusion process of polystyrene. The WonderBuilds XPS board is available in our standard blue colour, either with a flat edge profile or lipped overlap edge profile.

Product 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

Availability

Product Name	Product Code	Dimensions (cm)	Thickness (cm)	Colour
WonderBuilds XPS	WBXPS36	123.5 (±0.5) x 60 (+0.3/-0.0)	3, 4, or 5 (± 5%)	Blue

Further Information

View our full range of products at www.wonderbuilds.co.uk

You can also contact us at [0208 208 2121](tel:02082082121), or at admin@wonderbuilds.co.uk

Performance

Test	Code	Test Method	Description		Unit	Results
Density	/	BDS EN 1602	/	/	kg/m ³	32-36
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 $RD=d/ \lambda D$	mm 30 mm 40 mm 50 mm 60	(m ² K)/ 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 40 to 60	Kpa	250 350
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	BDS EN 1607:2013	mm 30 mm 50	/	kPa	≥400 ≥600