

Sundolitt XPS

Technical Data

Sundolitt XPS provides excellent thermal performance and high compressive strength capability. It is the ideal insulation for premium quality sandwich panels.

Standard Sizes Available

Dimensions (mm)	Length	Width
Rebated Edge	2385	585
Square Edge	2400	600
Thickness	30, 40, 50, 60, 75, 80, 100, 120, 130, 140, 150 and 160mm	



Sundolitt XPS - Physical Properties

	Standard	XPS300 Polar	XPS300	XPS400	XPS500	XPS700
Thermal Conductivity (W/mK) up to 80mm	EN 13164	0.029	0.033	0.033	0.034	0.034
Bending Strength - perpendicular to faces (kPa)	EN 12089	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500
Shear Strength (kPa)	EN 12090	≥ 300	≥ 300	≥ 300	≥ 300	≥ 300
Tensile Strength (kPa)	EN 1607	≥ 600	≥ 600	≥ 600	≥ 600	≥ 600
Compressive Strength at 10% nominal Compression (kPa)	EN 826	300	300	400	500	700
Compressive Strength at 2% nominal Compression (kPa)	EN 826	140	140	180	225	250
Elasticity Modulus (MPa)	EN 826	11.3	11.3	15.3	21.5	31
Dimensional Stability under specified temperature 23°C and relative humidity 90%	EN 1604	≤ 2%	≤ 2%	≤ 2%	≤ 2%	≤ 2%
Fire Performance	EN 13501-1	F	F	F	F	F
Long Term Water Absorption :						
Immersion (vol%)	EN 12087	≤ 0.7	≤ 0.7	≤ 0.7	≤ 0.7	≤ 0.7
Diffusion (vol%)	EN 12088	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Freeze/Thaw (vol%)	EN 12091	< 1	< 1	< 1	< 1	< 1

Accreditation

Sundolitt XPS is manufactured in accordance with BS EN ISO 13164.

EPD Certificate – nepd-396-274-EN – demonstrates the excellent environmental performance of Sundolitt XPS which has emissions of 0.0073 kg CO₂ calculated in accordance with ISO 14025.



ISO 9001
Registered Company



ISO 14001
Registered Company

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