



# XPS Flat Roofing

## Inverted Roofs - Technical Data Sheet

Sundolitt XPS is a closed cell insulation with high water resistance. Maintaining excellent thermal performance when used in high moisture environments such as inverted and green roofs.

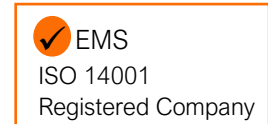
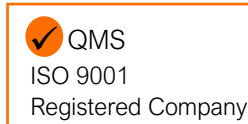
### XPS Benefits

-  High compressive strengths up to 700 kPa
-  Excellent thermal insulating properties
-  Resistant to freeze/thaw
-  Flame Retardant available
-  ODP = 0 GWP = <5
-  Rated A in BRE Green Guide
-  Fully Recyclable



### Accreditation

Sundolitt XPS Roofing 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 CO<sub>2</sub> calculated in accordance with ISO 14025.

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	

Thermal Resistance Values (m <sup>2</sup> K/W)				
Thickness (mm)	XPS200	XPS300	XPS500	XPS700
30	0.909	0.909		
40	1.212	1.212		
50	1.515	1.515	1.471	1.471
60	1.765	1.765	1.765	1.765
75	2.206	2.206		
80	2.353	2.353	2.353	2.353
100	2.778	2.778	2.778	2.778
120	3.077	3.077	3.077	3.077
130	3.333	3.333	3.333	3.333
140	3.590	3.590	3.590	3.590
150	3.846	3.846	3.846	3.846
160	4.103	4.103	4.103	4.103

Inverted and green roofs are cost effective solutions for large commercial roofs. Excellent roof life cost savings are gained by installing Sundolitt XPS Roofing over the weatherproofing.

Insulating over the weatherproofing prolongs the life and reduces maintenance of the membrane by reducing stresses caused by temperature extremes and UV exposure.

### Sundolitt XPS Roofing - Physical Properties

	XPS200	XPS300	XPS500	XPS700
Design Load at 2% nominal Compression (kPa)	90	140	225	250
Compressive Strength at 10% nominal Compression (kPa)	200	300	500	700
Thermal Conductivity (W/mK) at 50mm thickness	0.033	0.033	0.034	0.034

### CONTACT US

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