



# XPS

## XTREME PERFORMANCE & STRENGTH

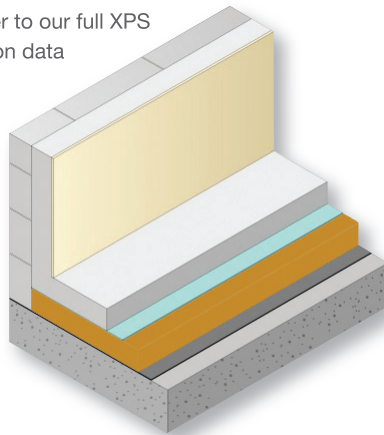
### Product Briefing & Data Sheet



Extremely durable thermal insulation board made of extruded polystyrene, Sundolitt XPS offers exceptional thermal performance and versatility. It is not only lightweight but able to withstand extreme loads and its water resistance means it can be stored and installed in severe wet weather conditions with no deterioration during its life. It is easy to cut and customise on site and requires no special equipment or tools.

Sundolitt XPS uses no harmful greenhouse gases in manufacture - being 100% CO<sub>2</sub> blown. The material can also be recycled at the end of its life.

Please refer to our full XPS specification data overleaf.



- **Commercial and Domestic Flooring**
- **Inverted Roofing**
- **Cold Stores**
- **Car Parks**
- **Landscaping & Ground Works**
- **Ports & Docks**
- **Civil Engineering**
- **Rail Embankments**
- **Airports & Runways**
- **Roads & Motorways**
- **Large Void Fill**

Serving Construction Engineers, Civil Engineers, Building Contractors  
& Distributors, Architects and Specifiers

#### **Sundolitt Ltd Head Office**

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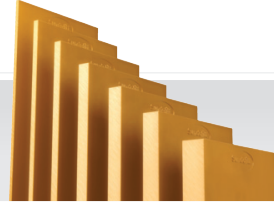
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Available:  In Stock:

Properties		Sundolitt XPS 250 SL		Sundolitt XPS 300 SL		Sundolitt XPS 400 SL		Sundolitt XPS 500 SL		Sundolitt XPS 700 SL		Sundolitt XPS 300 BE		Standard	
Dimensions mm		585 x 1185		585 x 2385		585 x 1185		585 x 2385		585 x 1185		585 x 2385		600 x 1200	600 x 2400
Thickness mm	Boards per pack														
30	14			x	x										
40	10			x											
50	8	x		x	x	x		x		x		x	x		
60	7			x	x	x									
70	6			x		x							x		
80	5			x	x			x		x					
100	4	x		x	x	x		x		x		x	x		
120	3			x											
150	3			x											
Thermal conductivity (e.g. 50mm)	W/mK	0.034		0.034		0.034		0.034		0.034		0.034		EN 13164	
Compressive behaviour	Short 10% Long 2%	250 110		300 140		400 180		500 225		700 250		300 140		EN 826	
Thickness - T1 grade*	<50mm 50≤120mm >120mm	-2 / +2 -2 / +3 -2 / +8		-2 / +2 -2 / +3 -2 / +8		-2 / +2 -2 / +3 -2 / +8		-2 / +2 -2 / +3 -2 / +8		-2 / +2 -2 / +3 -2 / +8		-2 / +2 -2 / +3 -2 / +8		EN 823	
Compr. modulus of elasticity	kPa	12500		15000		20000		30000		40000		15000		EN 826	
Dimensional stability	23°C and 90% RH	≤2%		≤2%		≤2%		≤2%		≤2%		≤2%		EN 1604	
Linear coeff. of thermal expansion	Length Cross	0.08 0.06		0.08 0.06		0.08 0.06		0.08 0.06		0.08 0.06		0.08 0.06			
Reaction to fire	◆	Euroclass F		Euroclass F		Euroclass F		Euroclass F		Euroclass F		Euroclass F		EN 13501-1	
Water absorption	Long term by immersion	0.7		0.7		0.7		0.7		0.7		0.7		EN 12087	
Water absorption**	Long term by diffusion	1,5-5		1,5-5		1,5-5		1,5-5		1,5-5		1,5-5		EN 12088	
Water absorption**	Freeze-thaw resistance	≤2%		≤2%		≤2%		≤2%		≤2%		≤2%		EN 12091	

\* Thickness - T1 grade T3 tolerance ±1 available.  
 ◆ Reaction to fire Euroclass E available, flame retardant XPS produced using brominated polymer, HBCD free.  
 \*\* Water Absorption Expected values

Sundolitt® XPS 205-700 XPS- EN 13164 - T1 - CS(10/Y)250 - 700 DS(TH) - WL(T)0,7

Sundolitt® XPS SL = XPS product with rebate (ship lap).  
 Sundolitt® XPS BE = XPS product with straight edge (butt edge).  
 Sundolitt® also produce Embossed surface, Tongue & Groove edge and drainage lined boards with non-woven membrane.

All products are chemically and biologically neutral and HCFC / HFC free.



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