

# RAVATHERM™ XPS X 300 SL



## Technical data sheet

Properties	Value		Unit	Standard	CE Code					
Thermal Conductivity Declared	0.030	< 60mm	W/m.K	EN 13164	λD					
	0.031	≥ 60mm	W/m.K							
Compressive stress or compressive strength@ 10% deformation	300		kPa	EN 826	CS(10\Y)					
Compressive Creep max after 50 years < 2% deformation under stress σC	130		kPa	EN 1606	CC(2/1.5/50)σ					
Water vapour diffusion resistance factor μ (tabulated value)	100		-	EN 12086	MU					
Long term water absorption by total immersion	< 0.7		%	EN 12087	WL(T)					
Water pick-up by diffusion	< 2	50 < 80mm	%	EN 12088	WD(V)					
	< 1	≥ 80mm								
Water pick up after Freeze Thaw	< 1		%	EN 12091	FTCD					
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	< 5		%	EN 1604	DS(70,90)					
Coefficient of linear thermal expansion (typical value)	0.07		mm/(m.K)	-	-					
Fire Performance	E		Euroclass	EN 13501-1						
Temperature limits	-50/+75		°C	-						
Thickness tolerances	1		Class	EN 823	T					
Dimensions	Width	600	mm	EN 822						
	Length	1250	mm	EN 822						
Edge Profile	Ship lap									
Surface finish	Skin									
<b>Thermal resistance<sup>1</sup></b>										
Thickness(mm)	50	80	100	120	130	140	160	180	200	205
R <sub>d</sub> m <sup>2</sup> .K/W	1.65	2.60	3.20	3.55	4.20	4.50	5.15	5.80	6.45	6.60
DESIGNATION CODE: XPS-EN 13164-T1-CS(10\Y)300-CC(2/1.5/50)130-DS(70,90)-WL(T)0.7- WD(V)1,2,3 <sup>(1)</sup> -FTCD1										

1) Thickness dependant  
 1 N/mm<sup>2</sup> = 10<sup>3</sup> kPa = 1MPa

Material shall be stored inside in original packaging, away from direct sun light or heat sources

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