

# RAVATHERM™ XPS X 300 SB



## Technical data sheet

Properties	Value	Unit	Standard	EN13164 Designation Code				
Thermal Conductivity Declared	0.030	≤ 120mm	W/m.K	EN 13164	λD			
	0.031	> 120mm	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)	150		-	EN 12086	MU			
Long term water absorption by total immersion	< 0.7		%	EN 12087	WL(T)			
Water pick-up by diffusion	2	< 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)			
Deformation under specified compressive load (40kPa) and temperature (70°C) conditions	< 5		%	EN 1605	DLT(2)5			
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	2500	mm	EN 822				
Edge Profile	Butt Edge							
Surface finish	Skin							
<b>Thermal resistance<sup>1</sup></b>								
Thickness(mm)	30	40	50	60	75	100	125	150
R <sub>d</sub> m².K/W	1.00	1.30	1.65	2.00	2.50	3.30	4.00	4.80
DESIGNATION CODE: XPS-EN 13164-T1-CS(10\Y)300-CC(2/1.5/50)130-DS(70,90)-DLT(2)5-WL(T)0.7- WD(V)1,2,3(1)-FTCD1								

1) Thickness dependant  
1 N/mm² = 10³ kPa = 1MPa

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

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