

# RAVATHERM™ XPS X 300 SL



## Technical data sheet

Properties	Value		Unit	Standard	Designation Code
Thermal Conductivity Declared	0.030	≤ 120mm	W/m.K	BS EN 13164: 2012+A1:2015	λD
	0.031	> 120mm	W/m.K		
Compressive stress or compressive strength@ 10% deformation	300		kPa	BS EN 826:2013	CS(10Y)
Compressive Creep max after 50 years < 2% deformation under stress σC	130		kPa	BS EN 1606:2013	CC(2/1.5/50)σ
Water vapour diffusion resistance factor μ (tabulated value)	150		-	BS EN 12086:2013	MU
Long term water absorption by total immersion	< 0.7		%	BS EN 12087:2013	WL(T)
Water pick-up by diffusion	2	< 80mm	%	BS EN 12088:2013	WD(V)
	1	≥ 80mm			
Water pick up after Freeze Thaw	< 1		%	BS EN 12091:2013	FTCD
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	< 5		%	BS EN 1604:2013	DS(70,90)
Coefficient of linear thermal expansion (typical value)	0.07		mm/(m.K)	-	-
Reaction to fire classification	E		Euroclass	BS EN 13501-1:2018	
Temperature limits	-50/+75		°C	-	
Thickness tolerances	1		Class	BS EN 823:2013	T
Dimensions	Width	600	mm	BS EN 822:2013	
	Length	1250	mm	BS EN 822:2013	
Edge Profile	Ship lap				
Surface finish	Skin				

### Thermal resistance<sup>1</sup>

Thickness(mm)	50	80	100	115	120	130	140	145	160	165	175	180	190	195	200
R <sub>d</sub> : m².K/W	1.65	2.65	3.3	3.8	4.0	4.15	4.5	4.65	5.15	5.3	5.6	5.8	6.1	6.25	6.45

DESIGNATION CODE: XPS-EN 13164-T1-CS(10Y)300-CC(2/1.5/50)130-DS(70,90)-DLT(2)5-WL(T)0.7- WD(V)1,2,3<sup>1</sup>-FTCD1

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

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

Note: The information and data contained in this technical data sheet do not represent exact sales specifications. The features of the products mentioned may vary. The information contained in this document has been provided in good faith, however it does not imply any liability, guarantee or assurance of product performance. It is the purchaser's responsibility to determine whether these products are suitable for the application desired and to ensure that the site of work and method of application conform with current legislation. No license is hereby granted for the use of patents or other industrial or intellectual property rights. If products are purchased, we advise following the most up-to-date suggestions and recommendations.

