

# RAVATHERM™ XPS X 700 SL



## Technical data sheet

Properties	Value		Unit	Standard	EN13164 Designation Code
Thermal Conductivity Declared	0.031	< 60mm	W/m.K	EN 13164	$\lambda_D$
	0.032	≥ 60mm	W/m.K		
Compressive stress or compressive strength@ 10% deformation	700		kPa	EN 826	CS(10\Y)
Compressive Creep max after 50 years < 2% deformation under stress $\sigma_C$	250		kPa	EN 1606	CC(2/1.5/50) $\sigma$
Water vapour diffusion resistance factor $\mu$ (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	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)
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	1250	mm	EN 822	
Edge Profile	Ship lap				
Surface finish	Skin				
<b>Thermal resistance<sup>1</sup></b>					
Thickness(mm)		50	75		100
$R_d$ m <sup>2</sup> .K/W		1.6	2.3		3.1
DESIGNATION CODE: XPS-EN 13164-T1-CS(10\Y)700-CC(2/1.5/50)250-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

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.