

# RAVATHERM™ XPS X 700 SL



## Technical data sheet

Properties	Value	Unit	Standard	CE Code		
Density (typical)	42	kg/m <sup>3</sup>	EN 1602			
Thermal Conductivity Declared ( $\lambda_D$ )	0.031	< 60mm	W/m.K	EN 13164	$\lambda_D$	
Compressive stress or compressive strength@ 10% deformation	700		kPa	EN 826	CS(10\Y)	
Modulus (typical values)	25	< 50mm	MPa	EN 826		
	30	≥ 50mm	MPa	EN 826		
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 $\mu$ (minimum)	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)	
Dimensional stability 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	-		
Tolerances	Thickness	-2/+2	< 50 mm	mm	EN 823	T1
	Thickness	-2/+3	50 - 120 mm	mm	EN 823	
	Width	-3/+3		mm	EN 822	
	Length	-6/+6		mm	EN 822	
Dimensions	Thickness	50 - 120		mm	EN 823	
	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 <sub>d</sub> m <sup>2</sup> .K/W	1.60	2.40	3.20			
<b>CE CODE</b>						
< 80mm	XPS - EN13164 - T1 - CS(10\Y)500 - CC(2/1.5/50)180 - DS(70,90) - DLT(2)5 - WD(V)2 - WL(T)0,7 - FTCD1					
≥ 80mm	XPS - EN13164 - T1 - CS(10\Y)500 - CC(2/1.5/50)180 - DS(70,90) - DLT(2)5 - WD(V)1 - WL(T)0,7 - 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.