

RAVATHERM™ XPS X 700 SL



Technical data sheet

Properties	Value		Unit	Standard	Designation Code
Thermal Conductivity Declared (λ_b)	0.031		W/m.K	BS EN 13164: 2012+A1:2015	λ_b
Compressive stress or compressive strength@ 10% deformation	700		kPa	BS EN 826:2013	CS(10\Y)
Modulus (typical values)	25	< 50mm	MPa	BS EN 826:2013	
	30	≥ 50mm	MPa	BS EN 826:2013	
Compressive Creep max after 50 years < 2% deformation under stress σ_C	250		kPa	BS EN 1606:2013	CC(2/1.5/50) σ
Water vapour diffusion resistance factor μ (minimum)	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)
Dimensional stability under specified compressive load (40kPa) and temperature (70°C) conditions	< 5		%	BS EN 1605:2013	DLT(2)5
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	-	
Tolerances (Thickness)	1		Class	BS EN 823:2013	T1
Dimensions	Thickness	50 - 120	mm	BS EN 823:2013	
	Width	600	mm	BS EN 822:2013	
	Length	1250	mm	BS EN 822:2013	
Edge Profile	Ship lap				
Surface finish	Skin				
Thermal resistance¹					
Thickness(mm)	50		75		100
R _d : m ² .K/W	1.60		2.40		3.20
CE CODE					
< 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 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.