

RAVATHERM™ XPS X 500 SL



Technical data sheet

Properties	Value	Unit	Standard	CE Code			
Density (typical)	38	kg/m ³	EN 1602				
Thermal Conductivity Declared (λ_D)	0.031	W/m.K	EN 13164	λ_D			
Compressive stress or compressive strength@ 10% deformation	500	kPa	EN 826	CS(10\Y)			
Modulus (typical values)	20	< 50mm	MPa	EN 826			
	25	≥ 50mm	MPa	EN 826			
Compressive Creep max after 50 years < 2% deformation under stress σ_C	180	kPa	EN 1606	CC(2/1.5/50) σ			
Water vapour diffusion resistance factor μ (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	-3/+3		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						
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 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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