

RAVATHERM™ XPS X H LB



Technical data sheet

Properties	Value	Unit	Standard	CE Code		
Density (typical value)	33	kg/m ³	EN 1602			
Thermal Conductivity Declared	0.031	< 150mm	W/m.K	EN 13164	λ _b	
	0.032	≥ 150mm	W/m.K			
Compressive stress or compressive strength @ 10% deformation	300		kPa	EN 826	CS(10Y)	
Tensile Strength ⁽¹⁾	600		kPa	EN 1607	TR	
Shear Strength	250		kPa	EN12090	SS	
Moduli (typical values)	E-Modulus(1)	12	<30.0 mm	MPa	EN 826	
		15	30 < ≤ 80.0 mm	MPa	EN 826	
		20	> 80.0 mm	MPa	EN 826	
	Tensile Modulus(1)	24	> 50.0 mm	MPa	EN 1607	
	Shear Modulus G	8 ⁽²⁾		MPa	EN 12090	
Water vapour diffusion resistance factor μ (tabulated value)	150		-	EN 12086	MU	
Long term water absorption by total immersion	1.5		%	EN 12087	WL(T)	
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	< 5		%	EN 1604	DS(70,90)	
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	-0.5/+0.5		mm	EN 823 T	
		Width	-0/+3	<700.0 mm	mm	EN 822
			-0/+5	>700.0 mm	mm	EN 822
		Length	-0/+10		mm	EN 822
Dimensions	Thickness	50 - 165	115	mm	EN 823	
		Width	600	1220	mm	EN 822
		Length	1900-2500	3050	mm	EN 822
Edge Profile	Butt Edge					
Surface finish	Planed					

DESIGNATION CODE: XPS-EN 13164-T3-CS(10Y)300-DS(70,90)-WL(T)1.5-TR600-SS250

1) Measured in thickness direction

2) Typical value for Shear Modulus, may vary with the inplane direction.

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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