

# RAVATHERM™ XPS X PLUS RTM



## Technical data sheet

Properties	Value		Unit	Standard	CE Code		
Density (typical value)	40		kg/m <sup>3</sup>	EN 1602			
Thermal Conductivity Declared	0.029		W/m.K	EN 13164	λ <sub>D</sub>		
Thermal Conductivity 60 days - mean value at 10°C	0.025	> 50mm		EN 12667 EN 12939	λ-mean, 60d		
Compressive stress or compressive strength @ 10% deformation	400		kPa	EN 826	CS(10\Y)		
Tensile Strength <sup>(1)</sup>	900		kPa	EN 1607	TR		
Shear Strength	400		kPa	EN12090	SS		
Compressive Creep max after 50 years < 2% deformation under stress 6C	110		kPa	EN 1606	CC(2/1.5/50)6		
Moduli (typical values)	E-Modulus <sup>(1)</sup>	17	≤ 30 mm	MPa	EN 826		
		22	30 < ≤ 80 mm	MPa	EN 826		
		28	> 80 mm	MPa	EN 826		
	Tensile Modulus <sup>(1)</sup>	128	≥ 50 mm	MPa	EN 1607		
	Shear Modulus G	10 <sup>(2)</sup>		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 mm	mm		EN 822
		Width	-0/+5	< 700 mm	mm		EN 822
		Length	-0/+10		mm		EN 822
Dimensions	Thickness	25 - 120		mm	EN 823		
	Width	600		mm	EN 822		
	Length	2500		mm	EN 822		
Edge Profile	Butt Edge						
Surface finish	Planed and grooved						

DESIGNATION CODE: XPS-EN 13164-T3-CS(10\Y)400-CC(2/1.5/50)140-DS(70,90)-WL(T)1.5-TR900-SS400

1) Measured in thickness direction

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

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

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