

RAVATHERM™ XPS X PLUS RTM



Technical data sheet

Properties	Value	Unit	Standard	CE Code	
Density (typical value)	40	kg/m ³	EN 1602		
Thermal Conductivity Declared	0.029	W/m.K	EN 13164	λ _D	
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 ⁽¹⁾	900	kPa	EN 1607	TR	
Shear Strength	400	kPa	EN12090	SS	
Compressive Creep max after 50 years < 2% deformation under stress 6C	140	kPa	EN 1606	CC(2/1.5/50)6	
Moduli (typical values)	E-Modulus ⁽¹⁾	17	≤ 30 mm	MPa	EN 826
		22	30 < ≤ 80 mm	MPa	EN 826
		28	> 80 mm	MPa	EN 826
	Tensile Modulus ⁽¹⁾	28	≥ 50 mm	MPa	EN 1607
Shear Modulus G	10 ⁽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
		-0/+3	≤ 700 mm	mm	EN 822
		-0/+5	< 700 mm	mm	EN 822
		-0/+10		mm	EN 822
Dimensions	Thickness	25 - 120		mm	EN 823
		600		mm	EN 822
		2500		mm	EN 822
Edge Profile	Butt Edge				
Surface finish	Planned 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/mm² = 10³ kPa = 1MPa

Material shall be stored inside in original packaging, away from direct sun light or heat sources

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