

RAVATHERM™ XPS PLUS T RTM GV



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 for 60 days old foam - mean value at 10°C	0.027 0.025	≤ 50 mm > 50 mm	W/m.K	EN 12667 EN 12939	λ-mean, 60d	
Compressive stress or compressive strength @ 10% deformation ¹	400		kPa	EN 826	CS(10\Y)	
Tensile Strength ¹	900		kPa	EN 1607	TR	
Shear Strength	400		kPa	EN12090	SS	
Moduli (typical)	E-Modulus ¹	< 30 mm	MPa	EN 826		
		30 - 79 mm	MPa	EN 826		
		≥ 80 mm	MPa	EN 826		
	Tensile Modulus ¹	28	50 - 140 mm	MPa	EN 1607	
Shear Modulus ²	10		MPa	EN 12090		
Compressive Creep max after 50 years < 2% deformation under stress σ _C	140		kPa	EN 1606	CC(2/1.5/50)σ	
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)	
Deformation 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	-0.5/+0.5	mm	EN 823	T3	
	Width	0.0/+3	< 700 mm	mm		EN 822
	Width	0.0/+5	≥ 700 mm	mm		EN 822
	Length	0.0/+10		mm		EN 822
Dimensions	Thickness	25 - 150	mm	EN 823		
	Width	600	mm	EN 822		
	Length	2100- 3000	mm	EN 822		
Edge Profile		Butt Edge				
Surface finish	GV	Planed and grooved				

DESIGNATION CODE:

XPS - EN 13164 - T3 - CS(10\Y)400 - CC(2/1.5/50)140 - DS(70,90)- DLT(2)5 - WL(T)1.5 - TR900 - SS400

¹ Measured in thickness direction

1 N/mm² = 10³ kPa = 1MPa

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

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

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