

Technical data sheet

Thermal resistance R _D	Thickness(mm)	30	40	50	60	70	80	100			
	R _D m².K/W	1.05	1.40	1.75	2.10	2.45	2.80	3.50			
Properties		Value			Unit			Standard		CE Code	
Density (typical)		32			kg/m³			EN 1602			
Thermal Conductivity Declared (λ _D)		0.029			W/m.K			EN 13164		λ _D	
Compressive stress or compressive strength@ 10% deformation		300			kPa			EN 826		CS(10\Y)	
Modulus (typical values)		-			MPa			EN 826			
Compressive Creep max after 50 years < 2% deformation under stress σ _C		NPD			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		NPD			%			EN 12087		WL(T)	
Water pick-up by diffusion		NPD			%			EN 12088		WD(V)	
Water pick up after Freeze Thaw		NPD			%			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		NPD						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	-6/+6				mm		EN 822			
Dimensions	Thickness	30 - 100				mm		EN 823			
	Width	600				mm		EN 822			
	Length	2500				mm		EN 822			
Edge profile		Ship lap on long sides, Butt Edge on short sides									
Surface finish		Skin									
CE CODE		XPS - EN13164 - T1 - CS(10\Y)300 - DS(70,90)									



The quality of RAVATHERM XPS products is assured in accordance with EN 13164 and EN 13172 standards. These standards establish the type and frequency of measurements executed both by independent and recognized institutions, as well as by RAVAGO laboratories.

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