

Technical data sheet

Thermal resistance R _D	Thickness(mm)	20	30	40	50	60	70	80	90	100	120
	R _d m ² .K/W	0.70	1.05	1.40	1.75	2.10	2.45	2.80	3.15	3.50	4.20
Properties		Value			Unit		Standard		CE Code		
Density (typical)		32			kg/m ³		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)		100			-		EN 12086		MU		
Long term water absorption by total immersion		1,5			%		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		
Tensile strength		200			kPa		EN 1607		TR		
Shear Strength		200			kPa		EN 12090		SS		
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/+3			mm		EN 822				
	Length	0/+10			mm		EN 822				
Dimensions	Thickness B	20 - 120			mm		EN 823				
	Thickness L	30 - 100			mm		EN 823				
	Width	600			mm		EN 822				
	Length	1250			mm		EN 822				
Egde profile		B	Butt Edge								
		L	Ship lap								
Surface finish		Planed									
CE Code		XPS - EN 13164 - T3 - CS(10\Y)300 - DS(70,90) - WL(T)1,5 - TR200 - SS200 - MU100									



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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