

Technical data sheet

Properties		Value		Unit	Standard	CE Code
Density (typical value)		33		kg/m ³	EN 1602	
Thermal Conductivity Declared		0.033		W/m.K	EN 13164	λ_d
Compressive stress or compressive strength @ 10% deformation		300		kPa	EN 826	CS(10\Y)
Tensile Strength ⁽¹⁾		600		kPa	EN 1607	TR
Shear Strength		250		kPa	EN12090	SS
Moduli (typical values)	E-Modulus ⁽¹⁾	12	<30 mm	MPa	EN 826	
		15	30 < ≤ 80 mm	MPa	EN 826	
		20	> 80 mm	MPa	EN 826	
	Tensile Modulus ⁽¹⁾	24	> 50 mm	MPa	EN 1607	
	Shear Modulus G	8 ⁽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	T
	Width	-0/+3	<700.0 mm	mm	EN 822	
	Width	-0/+5	>700.0 mm	mm	EN 822	
	Length	-0/+10		mm	EN 822	
Dimensions	Thickness	50 - 118		mm	EN 823	
	Width	700 - 1220		mm	EN 822	
	Length	2500 - 3000		mm	EN 822	
Edge Profile		Butt Edge				
Surface finish		Planed				

DESIGNATION CODE: XPS-EN 13164-T3-CS(10\Y)300-DS(70,90)-WL(T)1.5-TR600-SS250

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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