

## Technical data sheet

Properties	Value	Unit	Standard	CE Code		
Density (typical value)	33	kg/m <sup>3</sup>	EN 1602			
Thermal Conductivity Declared	0.033	W/m.K	EN 13164	λ <sub>b</sub>		
Compressive stress or compressive strength @ 10% deformation	300	kPa	EN 826	CS(10\Y)		
Tensile Strength <sup>(1)</sup>	600	kPa	EN 1607	TR		
Shear Strength	250	kPa	EN12090	SS		
Moduli (typical values)	E-Modulus <sup>(1)</sup>	12	<30 mm	MPa	EN 826	
		15	30 < ≤ 80 mm	MPa	EN 826	
		20	> 80 mm	MPa	EN 826	
	Tensile Modulus <sup>(1)</sup>	24	> 50 mm	MPa	EN 1607	
Shear Modulus G	8 <sup>(2)</sup>	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/mm<sup>2</sup> = 10<sup>3</sup> kPa = 1MPa

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

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