

Technical data sheet

XENERGY™ SLP

Thermal resistance R _D	Thickness(mm)	30	40	50	60	80	100	120			
	R _d m ² .K/W	1.00	1.35	1.65	1.95	2.60	3.20	3.85			
Properties	Value	Unit		Standard	CE Code						
Thermal Conductivity Declared (λ _D)	0.030	< 60 mm		W/m.K	EN 13164		λ _D				
	0.031	≥ 60 mm		W/m.K			λ _D				
Compressive stress or compressive strength@ 10% deformation	300			kPa	EN 826		CS(10\Y)				
Modulus (typical values)	-			MPa	EN 826						
	-			MPa	EN 827						
	-			MPa	EN 828						
Compressive Creep max after 50 years < 2% deformation under stress σ _C	130			kPa	EN 1606		CC(2/1.5/50)σ				
	-			kPa			CC(2/1.5/50)σ				
Tensile strength	-			kPa	EN 1607		TR				
Water vapour diffusion resistance factor μ (tabulated value)	150			-	EN 12086		MU				
Long term water absorption by total immersion	0.7			%	EN 12087		WL(T)				
Water pick-up by diffusion	3	< 50 mm		%	EN 12088		WD(V)				
	2	50 - 79.9 mm		%			WD(V)				
	1	≥ 80mm		%			WD(V)				
Water pick up after Freeze Thaw	1			%	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	< 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	-2/+2	< 50 mm		mm	EN 823		T1			
	Thickness	-2/+3	50 - 120 mm		mm	EN 823		T1			
	Thickness	-2/+6	> 120 mm		mm	EN 823		T1			
	Width	-3/+3			mm	EN 822					
	Length	-6/+6			mm	EN 822					
	Dimensions	Thickness	30 - 120		mm	EN 823					
	Width	600		mm	EN 822						
	Length	1250		mm	EN 822						
Edge profile	Butt edge										
Surface finish	Skin										
CODE CE:	XPS - EN13164 - T1 - CS(10\Y)300 - CC(2/1.5/50)130 - DS(70,90) - DLT(2)5 - <50 mm: WD(V)3 / >=50 mm & <80 mm: WD(V)2 / >=80 mm: WD(V)1 - WL(T)0,7 - FTCD1										



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