

Technical data sheet

XENERGY™ ETICSP

Thermal resistance R _D	Thickness(mm)	20	30	40	50	60	70	80	100	120	
	R _d m ² .K/W	0.65	1.00	1.35	1.65	1.95	2.25	2.60	3.20	3.85	
Properties	Value	Unit		Standard	CE Code						
Thermal Conductivity Declared (λ _D)	0.030 0.031	< 60 mm ≥ 60 mm		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						
	-			MPa	EN 826						
	-			MPa	EN 826						
Compressive Creep max after 50 years < 2% deformation under stress σ _C	-			kPa	EN 1606	CC(2/1.5/50)σ					
	-			kPa		CC(2/1.5/50)σ					
Tensile strength	200			kPa	EN 1607	TR					
Shear Strength	200			kPa	EN 12090	SS					
Water vapour diffusion resistance factor μ (tabulated value)	100			-	EN 12086	MU					
Long term water absorption by total immersion	1.5			%	EN 12087	WL(T)					
Water pick-up by diffusion	-			%	EN 12088	WD(V)					
	-			%		WD(V)					
	-			%		WD(V)					
Water pick up after Freeze Thaw	-			%	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	-				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	-0.5/+0.5		mm	EN 823	T3					
	Width	0/+3		mm	EN 822						
	Length	0/+10		mm	EN 822						
Dimensions	Thickness	20 - 120		mm	EN 823						
	Width	600		mm	EN 822						
	Length	1250		mm	EN 822						
Edge profile	Butt Edge										
Surface finish	Planned										
CODE CE:	XPS - EN 13164 - T3 - CS(10\Y)300 - DS(70,90) - WL(T)1.5 - TR200 - SS200 - MU100										



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