

## Technical data sheet

XENERGY™ IB-SL

Thermal resistance R <sub>D</sub>	Thickness(mm)	30	40	50	60	70	80	100			
	R <sub>d</sub> m <sup>2</sup> .K/W	1.00	1.35	1.65	1.95	2.25	2.60	3.20			
Properties		Value			Unit		Standard		CE Code		
Thermal Conductivity Declared (λ <sub>D</sub> )		0.030 0.031		< 60 mm ≥ 60 mm		W/m.K		EN 13164		λ <sub>D</sub>	
Compressive stress or compressive strength@ 10% deformation		300					kPa		EN 826		CS(10Y)
Modulus (typical values)		-					MPa		EN 826		
		-					MPa		EN 826		
		-					MPa		EN 826		
Compressive Creep max after 50 years < 2% deformation under stress σ <sub>C</sub>		-					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	30 - 100				mm		EN 823		
		Width	600				mm		EN 822		
		Length	1250				mm		EN 822		
Edge profile		Butt Edge									
Surface finish		Planed									
CODE CE:		XPS - EN 13164 - T3 - CS(10Y)300 - DS(70,90) - WL(T)1.5 - TR200 - SS200 - MU100									



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