

# RAVATHERM™ XPS X 300 SL

XENERGY™ SLP

Thermal resistance R <sub>D</sub>	Thickness(mm)		30	40	50	60	80	100	120				
	R <sub>d</sub> m <sup>2</sup> .K/W		1.00	1.35	1.65	1.95	2.60	3.20	3.85				
Properties	Value		Unit		Standard		CE Code						
Density (typical)	33				kg/m <sup>3</sup>		EN 1602						
Thermal Conductivity Declared (λ <sub>D</sub> )	0.030		< 60 mm		W/m.K		EN 13164		λ <sub>D</sub>				
	0.031		≥ 60 mm		W/m.K				λ <sub>D</sub>				
Compressive stress or compressive strength@ 10% deformation	300				kPa		EN 826		CS(10\Y)				
Modulus (typical values)	15		< 50 mm		MPa		EN 826						
	20		≥ 50 mm		MPa		EN 828						
Compressive Creep max after 50 years < 2% deformation under stress σ <sub>C</sub>	130				kPa		EN 1606		CC(2/1.5/50)σ				
Water vapour diffusion resistance factor μ (minimum)	90				-		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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