

# Technical data sheet

## RAVATHERM™ XPS X WALL BL

XENERGY™ CWP

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					
Density (typical)	32				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									
Compressive stress or compressive strength@ 10% deformation	200				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>	NPD				kPa		EN 1606		CC(2/1.5/50)σ			
Water vapour diffusion resistance factor μ (tabulated value)	150				-		EN 12086		MU			
Long term water absorption by total immersion	NPD				%		EN 12087		WL(T)			
Water pick-up by diffusion	NPD				%		EN 12088		WD(V)			
	-				%				WD(V)			
	-				%				WD(V)			
Water pick up after Freeze Thaw	NPD				%		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	NPD						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	-10/+10			mm		EN 822					
Dimensions	Thickness	30 - 100				mm		EN 823				
	Width	600				mm		EN 822				
	Length	2500				mm		EN 822				
Edge profile	Ship lap on long sides, Butt Edge on short sides											
Surface finish	Skin											
CE CODE:	XPS - EN 13164 - T1 - CS(10Y)250 - DS(70,90)											

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