

Technical data sheet

RAVATHERM™ XPS WALL BL

WALLMATE™ CW-SL-AP

Thermal resistance R _D	Thickness(mm)	30	40	50	60	70	80	100				
		R _d m ² .K/W	0.90	1.20	1.50	1.80	2.10	2.40	2.95			
Properties		Value			Unit			Standard		CE Code		
Density (typical)		32			kg/m ³			EN 1602				
Thermal Conductivity Declared (λ _D)		0.033	≤ 80 mm		W/m.K			EN 13164		λ _D		
		0.034	81 - 120 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 _C		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	1250 - 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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