

Technical data sheet

RAVATHERM™ XPS 300 SL

ROOFMATE™ SL-AP

Thermal resistance R _D	Thickness(mm)		30	40	50	60	70	80	100	120		
	R _d m ² .K/W		0.90	1.20	1.50	1.80	2.10	2.40	2.95	3.55		
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						
			0.035			> 120mm						
Compressive stress or compressive strength@ 10% deformation			300						kPa	EN 826		CS(10Y)
Modulus (typical values)			15			< 50 mm			MPa	EN 826		
			20			≥ 50 mm			MPa	EN 826		
Compressive Creep max after 50 years < 2% deformation under stress σ _C			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			Ship lap									
Surface finish			Skin									
CE CODE:			XPS - EN13164 - T1 - CS(10Y)300 - CC(2/105/50)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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