

## Technical data sheet

ROOFMATE™ SL-AP

Thermal resistance R <sub>D</sub>	Thickness(mm)	30	40	50	60	70	80	100	120		
	R <sub>D</sub> m <sup>2</sup> .K/W	0.90	1.20	1.50	1.80	2.10	2.40	2.95	3.55		
Properties		Value			Unit		Standard		CE Code		
Thermal Conductivity Declared (λ <sub>D</sub> )		0.033	≤ 80 mm		W/m.K		EN 13164		λ <sub>D</sub>		
		0.034	81 - 120 mm								
		0.035	> 120mm								
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>		130			kPa		EN 1606		CC(2/1.5/50)σ		
		-			kPa				CC(2/1.5/50)σ		
Tensile strength		-			kPa		EN 1607		TR		
Water vapour diffusion resistance factor μ (tabulated value)		150			-		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									
CODE CE:	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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