

Technical data sheet

ROOFMATE™ IT-AP

Thermal resistance R _D	Thickness(mm)	50	60	70	80						
		R _d m ² .K/W	1.50	1.80	2.10	2.40					
Properties		Value			Unit	Standard	CE Code				
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		300			kPa	EN 826	CS(10\Y)				
Modulus (typical values)		12	< 50 mm		MPa	EN 826					
		20	≥ 50 mm		MPa	EN 826					
		-			MPa	EN 826					
Compressive Creep max after 50 years < 2% deformation under stress σ _C		-			kPa	EN 1606	CC(2/1.5/50)σ				
		-			kPa						
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		-			%	EN 12087	WL(T)				
Water pick-up by diffusion		-			%	EN 12088	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		-				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	0/+3			mm	EN 822					
	Length	-10/+5			mm	EN 822					
Dimensions	Thickness	50 - 80			mm	EN 823					
	Width	600			mm	EN 822					
	Length	1250			mm	EN 822					
Edge profile		Butt Edge									
Surface finish		Skin									
CODE CE:		XPS - EN 13164 - T1 - CS(10\Y)300 - DS(70,90)									



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