

Technical data sheet

RAVATHERM™ XPS SHAPE BL

SHAPEMATE™ GREC-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(10\Y)		
Modulus (typical values)		-					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)		NPD					-	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	-1.5/+1.5					mm	EN 823	T2		
	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 the long sides and Butt Edge on the short sides										
Surface finish	Planned with grooves										
CE CODE:		XPS - EN 13164 - T2 - CS(10\Y)200 - DS(70,90)									

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