

Technical data sheet

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						
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	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	-			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)	-			-	EN 12086	MU					
Long term water absorption by total immersion	-			%	EN 12087	WL(T)					
Water pick-up by diffusion	-			%	EN 12088	WD(V)					
	-			%		WD(V)					
	-			%		WD(V)					
Water pick up after Freeze Thaw	-			%	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	-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		mm	EN 822						
Edge profile	Ship Lap on the long sides and Butt Edge on the short sides										
Surface finish	Planed with grooves										
CODE CE:		XPS - EN 13164 - T2 - CS(10Y)200 - DS(70,90)									



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