

Technical data sheet

STYROFOAM™ ETICS-SL-AP

Thermal resistance R _D	Thickness(mm)	20	30	40	50	60	70	80	100	120	
	R _d m ² .K/W	0.60	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 _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)		-			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		200			kPa		EN 1607		TR		
Shear Strength		200			kPa		EN 12090		SS		
Water vapour diffusion resistance factor μ (tabulated value)		100			-		EN 12086		MU		
Long term water absorption by total immersion		1.5			%		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	-0.5/+0.5			mm		EN 823		T3		
	Width	0/+3			mm		EN 822				
	Length	0/+10			mm		EN 822				
Dimensions	Thickness	20 - 120			mm		EN 823				
	Width	600			mm		EN 822				
	Length	1250			mm		EN 822				
Edge profile		Ship lap									
Surface finish		Planed									
CODE CE:		XPS - EN 13164 - T3 - CS(10Y)300 - DS(70,90) - TR200 - SS200 - WL(T)1.5 - MU100									



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