

Technical data sheet

STYROFOAM™ ETICS-SL-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	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							
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	T1							
	Width	0/+3	mm	EN 822								
	Length	0/+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											
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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