

## Technical data sheet

STYROFOAM™ ETICS-SL-AP

Thermal resistance R <sub>D</sub>	Thickness(mm)	20	30	40	50	60	80	100			
		R <sub>d</sub> m <sup>2</sup> .K/W	0.60	0.90	1.20	1.50	1.80	2.40	2.95		
Properties		Value			Unit		Standard		CE Code		
Thermal Conductivity Declared (λ <sub>D</sub> )		0.033	≤ 80 mm		W/m.K		EN 13164		λ <sub>D</sub>		
		0.034	81 - 120 mm								
		0.035	> 120mm								
Compressive stress or compressive strength@ 10% deformation		300			kPa		EN 826		CS(10\Y)		
Modulus (typical values)		-			MPa		EN 826				
		-			MPa		EN 826				
		-			MPa		EN 826				
Compressive Creep max after 50 years < 2% deformation under stress σC		-			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 - 100			mm		EN 823				
	Width	600			mm		EN 822				
	Length	1250			mm		EN 822				
Edge profile		Ship lap									
Surface finish		Planned									
CODE CE:		XPS - EN 13164 - T3 - CS(10\Y)300 - DS(70,90) - TR200 - SS200 - WL(T)1.5 - MU100									



Note: The information and data contained in this technical data sheet do not represent exact sales specifications. The features of the products mentioned may vary. The information contained in this document has been provided in good faith, however it does not imply any liability, guarantee or assurance of product performance. It is the purchaser's responsibility to determine whether these products are suitable for the application desired and to ensure that the site of work and method of application conform with current legislation. No license is hereby granted for the use of patents or other industrial or intellectual property rights. If products are purchased, we advise following the most up-to-date suggestions and recommendations.