



RAVAGO HELLAS S.M.S.A.



TECHNICAL DATA SHEET

XPS Polystyrene extrusion plastic sheet with embossed-gofrated surface (with shi lap edges)					
thickness:	a)20 mm, b)30mm, c)40mm-50mm, d)60mm-70mm-80mm , e)100mm-120mm				
CHARACTERISTIC	SYMBOL	STANDARD	DESCRIPTION	VALUE	MEASURE
Heat conductivity (measured 10°C average temperature)	λ_D	EN 12667	Based thickness	0.034	W/mK
Heat conductivity (measured 10°C average temperature)	λ	EN 12667		0.029	W/mK
Calculated heat resistance	R_D^*	$R_D=d/\lambda_D$	Based thickness	a)0.60 b)0.90 c)1.20-1.50 d)1.75-2.05-2.35 e)2.95-3.55	m ² K/W
Calculated compression strength	σ_{10} σ_{mt}	EN 826		a)200 b)250 c)300 d)300 e)300	kPa
Stability of dimension	DS(TH)	EN 1604	(48+/-1)h @ (23+/-2)°C ed U.R. (90+/-5)%	5	Length direction %
				5	Thickness direction %
Combustibility		EN 13501-1		E	EU class
Resistance of vapour diffusion	MU	EN 12086		100	μ
Water absorption	WD(V)[vol%]	EN 12088		NPD	%
Sinking Water absorption	WL(T)[vol%]	EN 12087		1.5	%
Tolerance of dimension (EN 13164):					
Thickness, mm		< 50	from 50 to 120	>120	T2
Difference, mm		+/- 1,5 mm	+/- 1,5 mm	+/- 1,5 mm	
Size (length,width), m		<1000	from 1000 to 2000	from 2000 to 4000	> 4000
Difference, mm		+/- 8	+/-10	+/- 10	+/-10
Note					
Stability of temperature	In the interest of main property of the products, the service temperature can't be higher than 75 °C .				

Quality Assurance Manager

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