

Technical data sheet

RAVATHERM™ XPS ETIC B

STYROFOAM™ IB-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			
Density (typical)	32					kg/m ³	EN 1602				
Thermal Conductivity Declared (λ _D)	0.033		≤ 80 mm			W/m.K	EN 13164	λ _D			
	0.034		81 - 120 mm								
Compressive stress or compressive strength@ 10% deformation	300					kPa	EN 826	CS(10Y)			
Modulus (typical values)	-					MPa	EN 826				
	-					MPa	EN 826				
Compressive Creep max after 50 years < 2% deformation under stress σ _C	NPD					kPa	EN 1606	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	NPD					%	EN 12088	WD(V)			
	-					%		WD(V)			
	-					%		WD(V)			
Water pick up after Freeze Thaw	NPD					%	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	NPD						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	Butt edge										
Surface finish	Planed										
CE CODE: XPS - EN 13164 - T3 - CS(10Y)300 - DS(70,90) - TR200 - SS200 - WL(T)1.5 - MU100											

30-202-0420



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.