

RAVATHERM™ XPS PLUS FB

polystyrene extruded foam for the insulation of pipes and cables



- XPS Panels with butt edges, planed
- Low lambda value
- As insulation for cables and pipes



Note: The recommendations regarding application methods and use of the products are based on the experience and knowledge of the properties of RAVATHERM™ insulation boards acquired by Ravago and are made to the best of our knowledge and belief. However, no liability, warranty, or guarantee is assumed for systems or applications. No exemption from patent claims can be derived from this. This document does not constitute a sales specification. The information in this brochure does not constitute a guarantee of properties in a legal sense and is not part of the content of a purchase agreement. Ravagos's obligations and liability regarding the sale of RAVATHERM™ products are determined exclusively by the underlying purchase agreement. <https://www.ravagobuildingsolutions.com/industry>

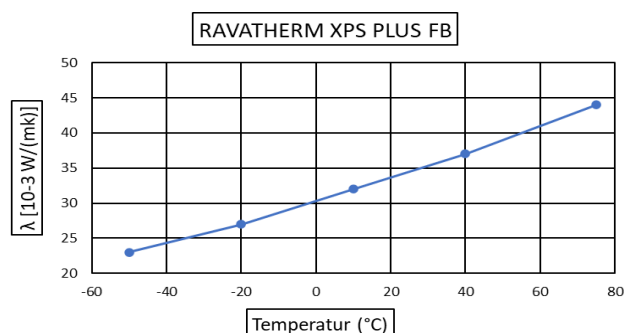
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Properties	Value		Unit	Norm	CE Code
Density (typical value)	33		kg/m ³	EN 1602	
Thermal Conductivity Declared (λ_D)	0.032 (see curve)		W/m.K	EN 13164	λ_D
Thermal Conductivity for 60 days old foam - mean value at 10°C	0.27		W/m.K	EN 12667 EN 12939	λ -mean, 60d
Compressive stress or compressive strength @ 10% deformation ¹	200		kPa	EN 826	CS(10\Y)
Water vapour diffusion resistance factor μ (tabulated value)	50 (declared)		–	EN 12086	MU
Long term water absorption by partial immersion	0.3		%	EN 12087	WL(T)
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	< 5		%	EN 1604	DS(70,90)
Coefficient of linear thermal expansion (typical value)	0.07		mm/(m.K)	–	–
Fire Performance Euroclass Pipe shell	E BI-s1,d0			Euroclass	EN 13501-1
Temperature limits	-65/+80		°C	–	
Tolerances	Thickness	-1/1	mm	EN 823	T3
Dimensions	Thickness	160-200	mm	EN 823	
	Width	600	mm	EN 822	
	Length	1250-2500	mm	EN 822	
Edge Profile	Butt Edge				
Surface finish	Planed				

CE-code: **XPS-EN 14307 : T3 - ST(+)-80 - ST(-)-65 - CS(10\Y)200 - DS(70,90) - WS(0.3) - MU(50) - CL(7) - F(5) - SI(5) - NA(17) - pH6**

1 N/mm² = 10³ kPa = 1MPa

Temperature °C	λ_D W/mK
-50	0.023
-20	0.027
10	0.032
40	0.037
75	0.044



! The material must be stored in the original packaging and must not be exposed to direct sunlight or heat sources !