

RAVATHERM™ XPS LB (GV)

polystyrene extruded foam for the
insulation of caravans and motorhomes with high compressive strength



- XPS Panels with butt edges, planed and grooved
- Versatile use
- Core material for caravans and motorhomes
- Tested and certified by FIW Institute Munich



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RAVATHERM™ XPS LB (GV)

Properties	Value		Unit	Norm	CE Code	
Density (typical value)	33		kg/m ³	EN 1602		
Thermal Conductivity Declared (λ_D)	0,033 0.034 0,035	≤ 60 mm 60-100 mm > 100 mm	W/m.K	EN 13164	λ_D	
Thermal Conductivity for 60 days old foam – mean value at 10°C	–		W/m.K	EN 12667 EN 12939	λ -mean, 60d	
Compressive stress or compressive strength @ 10% deformation ¹	300		kPa	EN 826	CS(10)Y	
Tensile Strength ¹	600		kPa	EN 1607	TR	
Scherfestigkeit	250		kPa	EN12090	SS	
Moduli (typical)	E-Modulus ¹					
		< 30 mm	MPa	EN 826		
		30-79 mm	MPa	EN 826		
		≥ 80 mm	MPa	EN 826		
	E-Modul Tensile Modulus ¹	> 50 mm	MPa	EN 1607		
	Shear Modulus ²		MPa	EN 12090		
Compressive Creep max after 50 years < 2% deformation under stress σ_C	–		kPa	EN 1606	CC(2/1.5/50) σ	
Water vapour diffusion resistance factor μ (tabulated value)	150		-	EN 12086	MU	
Long term water absorption by total immersion	1.5		%	EN 12087	WL(T)	
Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh)	< 5		%	EN 1604	DS(70,90)	
Deformation 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	EN13501-1		
Temperature limits	-50/+75		°C	–		
Tolerances	Thickness	-0.5/+0.5		mm	EN 823	
	Width	0.0/+3.0 0.0/+5.0	< 700 mm ≥ 700 mm	mm	EN 822	T
	Length	0.0/+10		mm	EN 822	
Dimensions	Thickness	30-80		mm	EN 823	
	Width	600-626		mm	EN 822	
	Length	2400-2600		mm	EN 822	
Edge Profile	Butt Edge					
Surface finish	Planed					
	GV	Planed and grooved				

CE-code: **XPS - EN 13164 - T3 - CS(10)Y300 - DS(70,90) - WL(T)1.5 - TR600 - SS250**

1 Measured in thickness direction

1 N/mm² = 10³ kPa = 1MPa

2 Typical value for Shear Modulus, may vary with the inplane direction

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