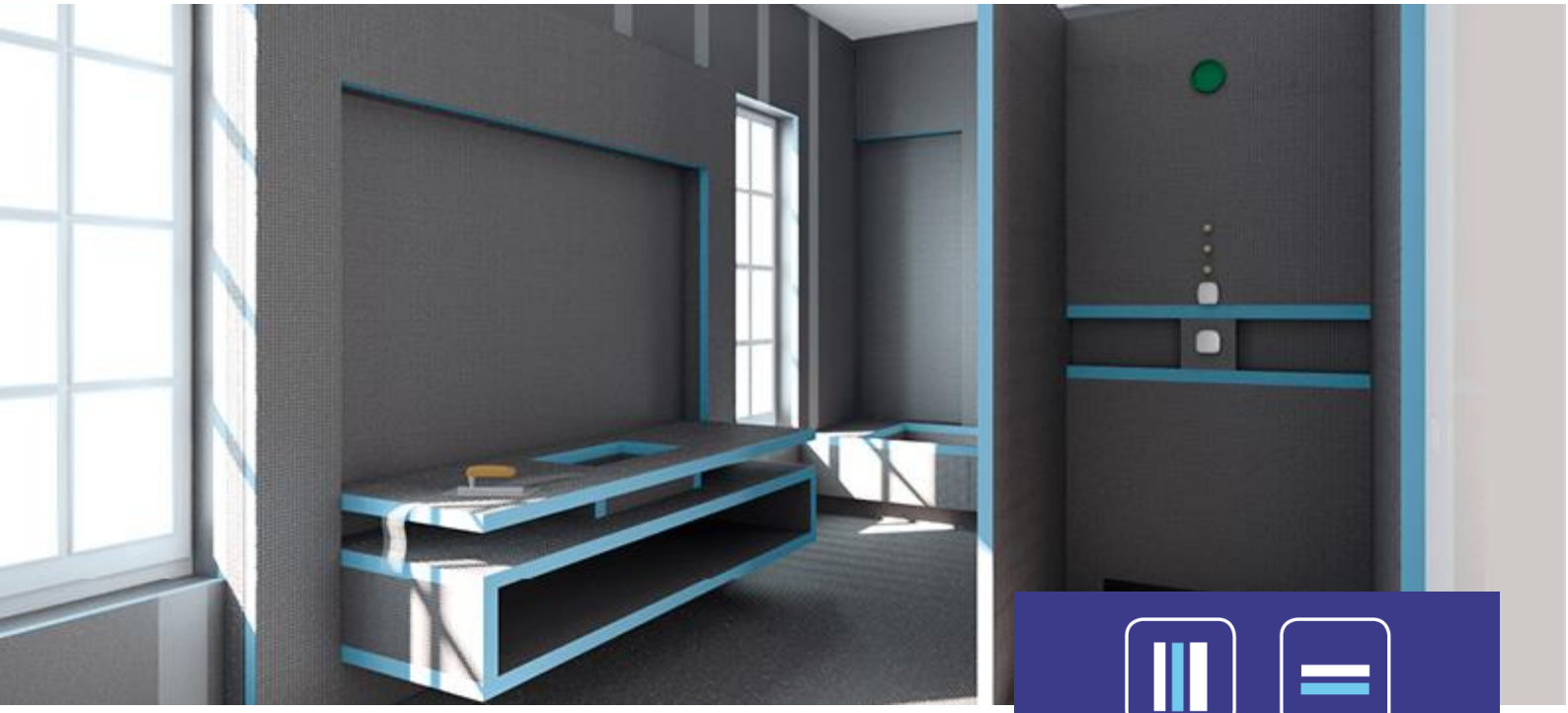
RAVATHERM™ XPS IB

Polystyrene extruded foam for the insulation of bathrooms and sanitary facilities



- **Butt edge, planed**
- **Versatile uses**
- **XPS boards for the bathroom**
- **Also as core layer material for caravans and mobile homes**

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**

RAVATHERM™ XPS IB

Properties		Value		Unit	Norm	CE Code
Density (typical value)		30		kg/m³	EN 1602	
Thermal Conductivity Declared (λ_D)		0.033 0.034 0.035	≤ 60 mm 61-100 mm > 100 mm	W/m.K W/m.K W/m.K	EN 13164	λ_D λ_D λ_D
Thermal Conductivity for 60 days old foam - mean value at 10°C		–		W/m.K	EN 12939	λ-mean, 60d
Compressive stress or compressive strength @ 10% deformation[1]		250		kPa	EN 826	CS(10\Y)
Tensile Strength[1]		400		kPa	EN 1607	TR
Shear Strength[2]		200		kPa	EN12090	SS
Moduli (typical)	E-Modulus[1]	8 10		MPa MPa	EN 826 EN 826	8 < 80 mm 10 ≥ 80 mm
Compressive Creep max after 50 years < 2% deformation under stress σC		–		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 Width Length	-0.5/+0.5 0.0/+3.0 0.0/+10.0		mm mm mm	EN 823 EN 822 EN 822	T
Dimensions	Thickness Width Length	20 - 200 600 1250-2500		mm mm mm	EN 823 EN 822 EN 822	
Edge Profile		Butt edge				
Surface finish		planed				

CE-code **XPS - EN 13164 - T3 - CS(10\Y)250 - DS(70,90) - WL(T)1.5 - TR400 - SS200**

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 !