

Technical Data

XPS Insulation 12.5mm Insulation Board 1200x600mm

NoMorePly Insulation Backing Boards are made of high-performance waterproof extruded polystyrene, there is approx. 1mm of coating on either side comprising a glass fibre mesh embedded in a polymer-cement mortar.

Technical Data

Specification	
Board Weight	1.8kg
Tolerance	+/- 2%
Properties of the Foam Component	
Density	200 kg/m ³
Thermal Conductivity	0.034 W/mK
Compressive Strength	Minimum of 0.3N/mm ²
Flexural Strength	0.30 ± 0.02 MPa
Water Absorption (2-day immersion)	0.2% by volume
Water Absorption (Capillary)	Zero
Coefficient of linear expansion	70 x 10 ⁻⁶ K ⁻¹
Water Vapour Diffusion Resistivity (μ)	110 - 225 μ
Water Vapour Permeability	0.028 ng/Pa.m.s
EU controlled substances content	None

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Technical Data Continued

Properties of the Cement Coating	
Thermal Conductivity	0.034 W/mK
Compressive Strength	Minimum of 0.3N/mm ²
Bond Strength	0.3N/mm ²
Maximum Tile Loading Weight	62kg/m ²
Flexural Strength	0.30 ± 0.02 MPa
Water Vapour Permeability (Sd)	3.2m
Resistance to body impact	3 x 120N/m
Bending Stiffness, E(20mm)	601KNmm ²
Coefficient of linear expansion	30 x 10 ⁻⁶ K ⁻¹
Flammability	Class E
Impact Sound Reduction	dLw = 21
Shear Bond Strength	3.32kg/cm ²
EU Controlled Substances Content	None

Thermal Insulation Values	
R Value	0.37 W/mK
U Value	2.70 W/m ² x K
Ad Rated value	0.034