



DESIGNERS & SUPPLIERS OF TILING TOOLS & ACCESSORIES
Tile Accessories Limited, Unit 2, Phoenix Road, Hawks Green, Cannock, Staffordshire, WS11 7LR

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Technical Data Sheet of Tile Backer Board

Technical Data:

No.	Property	Ratings
1	XPS Foam Density DIN53420	32±0.02kg/m ³
2	Thermal Conductivity EN12167	0.033 w/ (m*k)
3	Compressive strength (10% deflection)	320kPa(35 tonnes/m ²)
4	Flexural strength ASTM C947-03 (2016)	2.46MPa
5	Water absorption (2-day immersion) ISO2896	≪1%
6	Water absorption (Capillary) ISO2896	Zero
7	Maximum Tile Loading Weight	64kg/m ²
8	Flammability EN13501	Class E
9	Coefficient of linear expansion	30*10 ⁻⁶
10	Water vapor diffusion resistivity (μ)	110-225 μ
11	Water vapor permeability	0.028ng/pa.m.s
12	EU Controlled substances content	None
13.	Nail Pull Resistance ASTM C473-19 Section 13 Method B	270N



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14	Ultimate Flatwise Tensile Strength ASTM C297/C297M-16	0.463 MPa
15	Antimicrobial activity test ASTM G21-15	0 Grade
Image	<p>The diagram illustrates a multi-layered tile assembly. The top view shows a stack of layers with dimensions of 1200 mm by 600 mm. A legend on the right lists the thicknesses of the layers: 6mm, 10mm, 12.5mm, 20mm, and 30mm. A detailed cross-section of the assembly is shown below, with labels for the following layers from top to bottom: Polymer Cement slurry, Fiber glass mesh, XPS foam, Fiber glass mesh, and Polymer Cement slurry.</p>	