



TECHNICAL DATA SHEET

June 2016

ARC WATERPROOF TILE BACKER BOARDS & SHOWERLAYS

Composition:

XPS core Alkali Mesh, Polymer Mortar Layer x 2

Technical Properties:

| Property | Assessed to | Rating |
|---|-------------|-------------------------------------|
| Xps Density | DIN 53420 | 36 ± 0.02 kg/m ³ |
| Thermal Conductivity | EN 12167 | 0.033 W/m.K |
| Compressive Strength (10% deflection) | EN 826 | 300 kPa (30 tonnes/m ²) |
| Flexural Strength | ASTM C203 | 0.30 ± 0.02 MPa |
| Water Absorption (2-day immersion) | ISO2896 | 0.2% by volume |
| Water Absorption (Capillary) | DIN 53428 | Zero |
| Water Vapour Diffusion Resistivity (μ) | DIN 52615 | 110 - 225 μ |
| Water Vapour Permeability | ASTM E-96 | 0.028 ng/Pa.m.s |
| Maximum Tile Loading Weight | CERAM121107 | 60kg/m ² |
| Flammability | EN 13501 | Class E |
| Impact Sound Reduction | BS-ISO140- | dLw = 21 |
| EU controlled substances content | N/A | none |

Boards can be used both internally and externally and can accept both tile adhesive and plaster. Boards should be primed with Arc Tilers Primer before plastering.