

ULTRA

ULTRA EFFICIENT TILE BACKER BOARD

Ultra Tile Backer Board is a high performance board, consisting of a waterproof extruded polystyrene (XPS) core faced with fibreglass mesh embedded into a polymer mortar on each side, which adds extra strength and rigidity to the board.

Available in a wide range of thicknesses, Ultra Tile Backer Board can be used with all kinds of substrates and is suitable for both new build and refurbishment projects. The board is totally waterproof and rot resistant, making it the ideal solution for tiling wet areas such as bathroom walls, showers and wetrooms. The board is lightweight, easy to handle, and can be easily cut and shaped with a sharp knife. As a result of its versatility and strength, Ultra Tile Backer has a distinct advantage over cement and timber based products.



Ultra Tile Backer Board provides two main benefits in one board:

1. Provides a superior waterproof surface for direct fixing of wall and floor tiles.
2. Provides excellent insulation and fast warm up times when used in conjunction with underfloor heating.

Whether creating partitions, insulating a floor for electrical underfloor heating, or making a bath panel, Ultra Tile Backer Board is the versatile board for all tiling applications. Whether it is being used as a carrier material on a wall, to clad old substructures and pipes, or acting as a substructure on a wall, each can be done by using Ultra Tile Backer.

DIMENSIONS ULTRA TILE BACKER BOARD.

Board Dimensions

6mm x 600mm x 1200mm

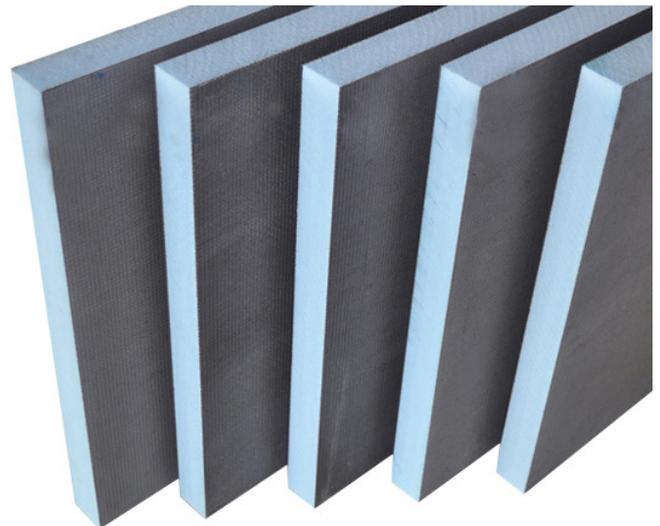
10mm x 600mm x 1200mm

12mm x 600mm x 1200mm

20mm x 600mm x 1200mm

30mm x 600mm x 1200mm

50mm x 600mm x 1200mm





- Fully waterproof
- Highly insulating
- Fix to solid wall/timber
- Ready to tile or plaster
- Lightweight to handle
- Easy to cut
- High stability
- Workability
- Versatile

Lightweight

Easy to transport and handle. No static extra load requirements when used on timber floors, balcony roofs and attic conversions.

High Strength

Suitable for heavy duty applications. Ultra Tile Backer can hold a tile weight of 60kg per m², double that of standard lining board. With a high compressive strength of 300 kPa (30 tonnes/m²), Ultra Tile Backer Board can be used on virtually any tiled floor.

Impervious to Moisture

The board will remain dimensionally stable, even in high humidity situations. Being completely waterproof, as opposed to merely water resistant means that no water at all can be absorbed into the core of the board. As a result, the board will not bend, bow or distort in the way that plasterboard can. For this reason, Ultra Tile Backer Board can be used in many situations including wet rooms and steam rooms.

Insulation

Minimal heat transfer to adjacent materials eg. window sills, ground bearing concrete slabs and external applications, XPS (extruded polystyrene) is one of the most effective insulation materials available and also has the benefit that its thermal insulation properties are not affected whatsoever by wet or damp conditions. Other softer insulation materials absorb water, leading to the material losing its insulating properties.

Workability

Quick and simple to work with. Easy to create curves and profiles. Time saving = cost saving.

Versatile

Suitable for use on metal and timber studwork, or on existing floors and walls to cover unstable and uneven surfaces.

TECHNICAL PERFORMANCE.

| Property | Assessed To | Rating |
|--|-------------|-------------------------------------|
| XPS Density | DIN 53420 | 36 ± 0.02kg/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 | 0.028ng/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 |

Contact Us

Tyne Insulation Supplies Ltd
Orion Way
Orion Business Park
North Shields
Tyne & Wear, NE29 7SN

Tel: 0191 257 8640
Fax: 0191 257 8413

www.tyneinsulation.co.uk

