

### Technical Data Sheet

Versabacker® Tile Backer Board is unlike the Gypsum and Plywood products which are commonly used as a tiling substrate in showers where stud walls are common. Both these substrates are susceptible to deterioration if moisture penetrates through a crack or joint on a tiled wall or floor. Constant moisture penetration will cause both products to degrade over time and result in moisture related problems. When Versabacker® Tile Backer Board is used and installed as per the recommended guidelines, these problems should not occur.

Versabacker® is a water resistant backer board that will not swell rot or degrade over time and can accept a number of finishes including wall and floor tiles.

#### MANUFACTURE

Euroform Versabacker® Tile Backer Board is manufactured using inorganic substances and alkaline resistant fibreglass mesh.

The product is naturally cured using no energy through cold fusion unlike similar competitive products on the market which use autoclaving technology. This ensures that VersaBacker® has a relatively low impact on the environment. VersaBacker® achieves its superior strength and flexibility by the introduction of two layers of alkaline resistant glass fibre mesh. Consistent high quality of the product is maintained and monitored through a sophisticated digitally controlled process to ensure a superior finished board always reaches our commitment to consistent product quality.

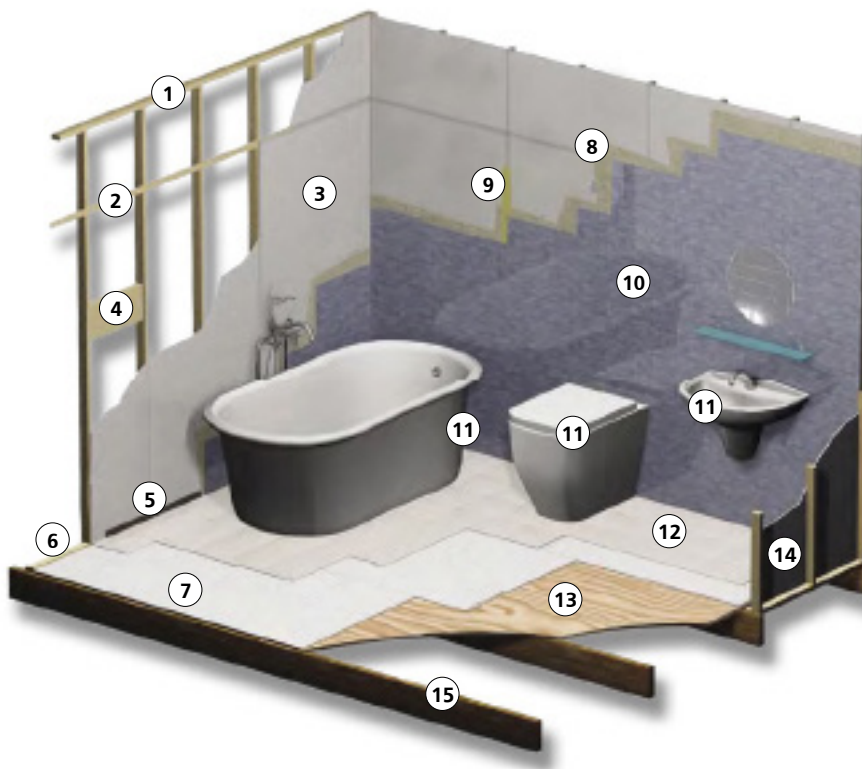


#### APPLICATIONS

- Internal wet areas
- Kitchen
- Bathroom
- Swimming Pool
- Areas of high moisture
- Underfloor Heating Systems

#### Bathroom detail showing typical applications

- 1 Head Track
- 2 Fixing Strap
- 3 12mm Versabacker®
- 4 Support for fixture attachment
- 5 GRP angle strip
- 6 Floor Track
- 7 6mm Versabacker®
- 8 Tile Adhesive
- 9 Joint Filler
- 10 Wall Tiles
- 11 Bathroom Furniture
- 12 Floor Tiles
- 13 18mm Flooring Board
- 14 12mm Versabacker®
- 15 Floor Joist



## TECHNICAL SPECIFICATION

TEST SUBJECT	TEST	RESULT
Density Dry (ex works)		1050 kg/m <sup>3</sup> (+/-10%)
Modulus of Rupture	BS EN 310	20 Nmm <sup>2</sup>
Modulus of Elasticity	BS EN 310	4.54 Nmm <sup>2</sup>
Impact Strength (Brinell)		34 Nmm <sup>2</sup>
Vapour Resistance	BS EN 12086 : 1997	2.0 MNs/g
Thermal Conductivity at 50°	BS EN 594	0.307 w/m/°k
Fire Test	A1 Euroclass	Class Non-Combustible
Change in thickness (After immersion in water)	BS EN 317	0 - 0.1% Nmm <sup>2</sup>
Tensile Strength (Perpendicular to plane)	BS EN 319	2.11 Nmm <sup>2</sup>
Screw Withdrawal Strength	BS EN 320	81.1 N/mm
Pull through resistance (12mm)	BS EN 1382:199	1.969 KN
Average Thickness Swelling	BS EN 321	0
Average Tensile Strength	BS EN 321	2.04 Nmm <sup>2</sup>
Moisture Content	BS EN 322	3.6%

## DIMENSIONS

Euroform Versabacker® is supplied as a rectangular board with square edges and white in colour.

Thickness: 6 & 12 mm

Sizes: 1200 x 800mm

Weight: 6mm 6kg/sheet  
12mm 12kg/sheet

## TOLERANCES

Length and Width: + / - 2mm

Thickness: + / - 0.2mm

Edge Straightness: 1mm / metre

## ATTRIBUTES

Versabacker® boards provide an excellent compatible surface to a wide range of finishing materials i.e. paints, tiles, veneers, laminates.

A truly stable substrate for variation and architectural verve.

### Fire Rated, Non-Flammable, Non-Combustible

- Non-Combustible to BS 476 Part 4
- BS EN ISO 1182 - Euro Class A1

### Thermal Insulation Properties

- Provides a high level of thermal movements during hot and cold cycles (Thermal Shock)

### Impact Resistant

- An ability to withstand abuse, including surface impact - 34 N/mm<sup>2</sup>

### Low Carbon Manufacturing Process

- A natural cured process with a chemical reaction using low levels of heat and a lengthy drying out stage

### Moisture & Water Resistant

- Versabacker® boards will not physically deteriorate when subjected to water or moisture

### Rodent Resistant

- Resistant to rodent infestation like mice, rats and insects

### Easy and Fast to work

- Easy and simple to prepare and attach

### Mould Resistant

- Unlike paper faced or wood based products, does not contain cellulose, limiting mould growth

### Breathability

- Ensures a healthy, durable working building with a natural ability to absorb and release moisture

### Chemically Stable

- Produced from natural inorganic raw materials, resulting in a strong, durable chemically stable board

### Non-Hazardous to health

- Will not cause harm to persons and/or the environment

### Produced without asbestos or other inorganic fibres



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IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. It is strongly recommended that prospective users test a sample of the product under their own conditions to satisfy themselves of its suitability for the intended purpose. For the Pre Completion Testing route to compliance with the Building Regulations Euroform may provide site test evidence (where available) concerning the use of their product in a similar overall construction. Test evidence of a product passing minimum standards in one construction is not a warranty or specification that the same product will meet the desired acoustic performance level in any other building. Such evidence can only be considered indicative and should not be relied upon.