

**Description**

Siniat Tilebacker is a high performance fibre cement board for internal applications. The board is manufactured using Hatschek technology and then autoclaved, which ensures optimal dimensional stability and mechanical resistance. The board is available with square edges.

**Applications**

- As a backing board for tile application on walls
- As a backing board for tile application on floors

**Appearance**

Siniat Tilebacker is coloured off-white/ grey and has smooth and rough surface finishes on the front and back sides respectively.

**Standard Format**

1200mm x 800mm x 6mm Square Edge

1200mm x 800mm x 12mm Square Edge

**Composition**

Siniat Tilebacker is made of silica, cement, organic reinforcing fibres from cellulose, functional additives and water.

**Compliance Authority**

Siniat Tilebacker is CE marked according to EN 12467 (Fibre-cement flat sheets - Product specification and test methods), Level II, class 2, category C.

The board also complies with ISO 8336:2009, level II, class 2, category B.

**Physical Properties / System performances****Density (EN 12467):**

≥ 1200 Kg/m<sup>3</sup>

**Bending strength (EN 12467):**

> 7 MPa (class 2)

**Modulus of elasticity (ad hoc):**

> 7 GPa

**Durability (EN 12467):**

Category C

**Strength classification (EN 12467) :**

Class 2

**Fire reaction classification (EN 13501-1):**

A2-s1-d0

**Impermeability test (EN 12467):**

Pass

**Warm water test (EN 12467):**

Pass

**Soak dry test (EN 12467):**

Pass

**Moisture movement (EN 12467):**

≤ 0.4 mm/m (at 23°C, from 30 to 90%RH)

**Thermal conductivity:**

0.25 W/mK

**Tiling**

Siniat Tilebacker is designed to be finished with tiles. Tiles should comply with BS EN 14411:2016 and be installed in accordance with manufacturers' guidelines for the application and the guidance in BS 5385-4:2015 for areas subject to occasional wetting, e.g. domestic bathrooms. Siniat Tilebacker is not suitable for use without tanking in areas classified as 'subject to frequent wetting', e.g. communal shower rooms.

Water resistant grouts in accordance with BS EN 13888:2009 Class 2W should be used and a 10mm gap allowed between tiles at corners, and at junctions with fittings, sealed with permanently flexible silicone sealant in accordance with BS 8000-16.

Tile adhesive should be applied in areas of approx. 0.5 m<sup>2</sup> to prevent large areas of adhesive drying out prior to tile installation.

The maximum tile weight will depend on the tile adhesive. The maximum recommended tile weight is 60kg/m<sup>2</sup>

**Handling and Fixing**

Handling: Siniat Tilebacker boards are delivered on pallets. The boards shall be horizontally stacked on a flat surface in a dry and

ventilated space. When stored outside, the boards shall always be protected against rain by a tarpaulin or plastic cover.

If the boards are exposed to liquid water during storage, remove the packaging and allow the boards to totally dry out before use.

We recommend storing the boards in their final location at least 24 hours before installation to allow them to acclimatise to the ambient environment and balance out moisture levels.

Cutting, sawing and drilling: sawing and drilling must take place in a dry environment. Siniat Tilebacker can be cut by either a power saw or a handsaw.

Cutting/ sawing - the following tools can be used:

- score and snap: score both sides of 6 mm boards with a scoring knife with carbide-tipped teeth, snap on a supported edge
- Universal sawing blade on fast rotation, stationary sawing machines or hand circular saw with rail guidance
- Jigsaw with carbide-tipped tooth cutting blade
- Diamond cutting blade without teeth on fast rotation stationary sawing machines or hand circular saw with guide

#### **Health & Safety**

Please refer to the Siniat Tilebacker material and safety datasheet.

1200mm x 800mm x 6 mm board weighs 8.4 kg (nominal).

1200mm x 800mm x 12 mm board weighs 16.8 kg (nominal).

Note that the board weights mentioned above include a potential 15% of water uptake in case the board has been stored in a humid environment.

When cutting, sawing or drilling, an efficient dust extraction and/or ventilation system should be used to collect the dust particles. If dust extraction is not efficient, dust masks of type FFP2 or better according EN149:2001 shall be worn by the operator.

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