

PRODUCT TECHNICAL DATASHEET

Cementex 6 Cementex 8 Cementex 10 Cementex 12

Description

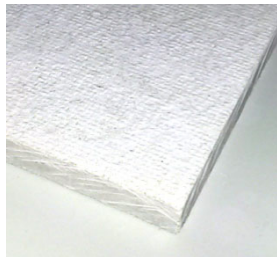
Cementex 6, 8, 10 and 12 are highly durable fibre cement boards suitable for external and internal applications. The boards are manufactured using the Hatscheck technology and then autoclaved, which ensures an optimal dimensional stability and mechanical resistance. The boards are available with squared edges.

Appearance

Cementex is coloured off-white/ grey and exhibits smooth and rough surface finishes on the front and back sides respectively.

Composition

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



Dimensions and tolerances

The boards are available in the following thicknesses and dimensions

- 6, 8, 10 and 12mm,
- width x length: 1200 x 2400 mm.

Board tolerances (as per EN 12467 level II):

- thickness: ± 0.6 mm (6mm board), ± 0.8 mm (8mm board), ± 1 mm (10 mm board), ± 1.2 (12mm board),
- length and width: ± 8 mm and ± 6 mm respectively,
- straightness: 3 mm/m,
- squareness: 4 mm/m.

Compliance authority

The boards are CE marked according to EN 12467 (Fibre-cement flat sheets - Product specification and test methods), category A, class 2, level II.

The boards also comply with ISO 8336:2009, category A, class 2, level II.

Physical properties

Minimum apparent density (EN 12467):	$\geq 1,200$ kg/m ³
Bending strength (EN 12467):	> 7 N/mm ² (class 2)
Modulus of elasticity (ad hoc)	> 7000 N/mm ²
Durability (EN 12467):	Category A
Strength classification (EN 12467) :	Class 2
Fire reaction classification (EN 13501-1):	A1
Impermeability test (EN 12467):	passed
Warm water test (EN 12467):	passed
Soak dry test (EN 12467):	passed (50 cycles)
Freeze-thaw (EN12467):	passed (100 cycles)
Heat – rain (EN12467):	passed (50 cycles)
Moisture movement (EN 12467): (at 23°C, from 30 to 90%RH)	≤ 0.4 mm
Thermal conductivity coefficient: λ :	0.25 W/mK.

General processing instructions, handling, cutting and fixing

Handling: the 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 minimum 24h before starting installation to allow the board to “acclimatize”.

The boards shall always be handled from the stack by two persons and then be transported vertically.

Cutting, sawing and drilling: sawing and drilling must take place in a dry environment. Drilling and saw dust must be immediately removed from the sheet with a dry micro-fibre towel to avoid permanent stains. The boards can be cut by either a power saw or a handsaw. When cutting, sawing or drilling, an efficient dust extraction and/or ventilation system shall be used to collect the dust particles. If dust

PRODUCT TECHNICAL DATASHEET

Cementex 6

Cementex 8

Cementex 10

Cementex 12

extraction is not efficient, dust masks of type FFP2 or better according EN149:2009 shall be worn by the operator.

Before sawing or drilling, the board shall lay flat on a stable sawing bench preventing excessive vibration.

Health & Safety

Please refer to the **Cementex** material and safety datasheet.

The 1.2m x 2.4m x 6 mm board weighs 24 kg.

The 1.2m x 2.4m x 8 mm board weighs 32 kg.

The 1.2m x 2.4m x 10 mm board weighs 40 kg.

The 1.2m x 2.4m x 12 mm board weighs 48 kg.

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

The dusts generated when cutting or drilling **Cementex** boards shall be collected by an extraction / ventilation system. If dust collection is not efficient, dust masks of type FFP2 or better according EN149:2009 shall be worn by the operator.

Authority

Julien Soulhat

Technical Manager