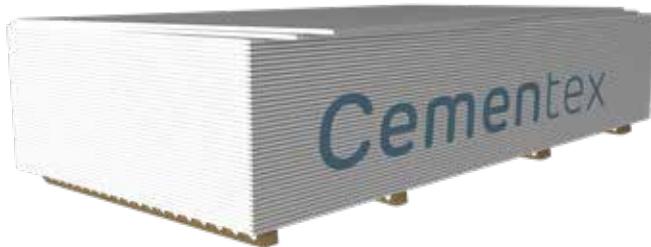


Cementex 12 mm

Fiber-cement board



DESCRIPTION:

Cementex is a flat fiber cement board, suitable for exterior and interior applications.

The boards are manufactured using Hatscheck technology followed by autoclaving, a process that provides optimal mechanical strength and dimensional stability.

The main elements the boards are made of are: cement, organic cellulose fibers, silica, additives and water.

PERFORMANCES

Thickness	12 mm
Width	1200 mm
Length	2400 mm
Apparent density	$\approx 1460 \text{ kg/m}^3$
Board weight	$\approx 17.52 \text{ kg/m}^2$
Longitudinal and transversal profile edges	Straight (SE)
Classification according to EN 12467:2012+A1:2016	Category A: Boards designed for applications where heat, high moisture and severe freezing may occur.
Shape and nominal sizes tolerances	Level II
Mechanical resistance	Class 2, minimum tensile strength in humidity conditions $> 7 \text{ MPa}$
Fire reaction class, according to EN 13501-1	A1
Water proof	Without water droplets on the unexposed side of the board
Freeze-thaw durability	RL ≥ 0.75 , after 100 cycles
Hot water durability	RL ≥ 0.75
Heat-rain durability	No visible defects after 50 cycles
Immersion-drying durability	RL ≥ 0.75 , after 50 cycles
Expansion due to variation in relative humidity	$< 0.04\% \quad 0.40 \text{ mm/m}$
Emission of hazardous substances	NPD
Systems of attestation of conformity	System 3: Fire reaction SYSTEM 4 Other requirements
Resistance to airborne sound	Calculated for each system
Packaging	47 boards/ pallet. Pallet weight 2357 kg SAP Code: 146392 73 boards/ pallet. Pallet weight 3633 kg SAP code 146393

AREAS OF USE

Interior applications

- Finishing systems placed in Medium and high relative humidity spaces, impact resistant and support for ceramic tiles (swimming pools, spa, car washes, bathrooms, kitchens, unheated basements, parking lots, production areas, warehouse, public laundries...)

Exterior applications

- Support for decorative finishing in exterior walls multilayered thermal insulation, ventilated cladding, support for thermoinsulation, structural elements lining, balcony partitions, decorative elements ...





Resistance to water



Technical performance



Durability

RECOMMENDATIONS FOR STORAGE AND TRANSPORT:

- ▶ The boards should always be handled by two persons, and transported vertically
- ▶ The transport of pallets shall be made by appropriate means of transport (cart, fork lift, truck ...)
- ▶ Maximum 4 (four) pallets should be stored in a stack
- ▶ When storing the boards, the loadbearing capacity of the supporting floor element shall be taken into account
- ▶ The boards shall be stored in pallets or stacks with spacers every 600mm. The pallets and the stacks will be stored on dry, smooth and horizontal surfaces. This type of storage allows ventilation and prevents deformation or tearing of the tiles
- ▶ When stored outdoors, the boards should always be protected with a plastic film or a tarpaulin
- ▶ If the boards are exposed to water during the storage period, remove the protective film and allow the boards to dry thoroughly before use
- ▶ The boards should be stored in the final location (installation area) at least 24 hours before starting the installation, for "acclimation".
- ▶ The boards should be dry before applying different treatments on their surface (base coat, adhesive ...). For example, it is not recommended to apply any coating immediately after rain
- ▶ The boards should be mounted in the temperature range of 5 - 40° C
- ▶ The long term storage for long periods in direct sun light is not recommended.

SAFETY MEASURES:

- ▶ The 1.2 m x 2.4 m x 12 mm Cementex board weights 51 kg
- ▶ The above mentioned weight includes a possible 15% moisture absorption, if the boards were stored in humid places
- ▶ It is recommended that the dust from Cementex boards cutting and drilling operations to be absorbed and collected using an efficient vacuum cleaner.
- ▶ During handling, cutting and drilling operations, the operator / installer should use appropriate tools and wear personal protection equipment: helmet, glasses, gloves, boots, FFP2 dust mask or more effective according to EN 149: 2001
- ▶ The boards should be cut and drilled in dry and ventilated areas
- ▶ The boards can be cut with an electric or manual saw
- ▶ To prevent the formation of permanent stains on the surface of the board, it is recommended that the dust from cutting and drilling operations is immediately removed, using a dry microfiber towel or by aspiration with efficient dust extraction and collection equipment (vacuum cleaner)
- ▶ To prevent boards vibration during cutting and drilling operations, they should be placed and fixed on a smooth and stable support



Fire reaction: A1

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