

PERMAROCK® Cement Board Outdoor

The ideal substrate for exterior walls and soffits.

Description

PERMAROCK® Cement Board Outdoor is a robust, non-combustible building panel made of aggregated Portland cement with coated glass fibre mesh embedded in back and front surfaces. The ends are cut square and edges are reinforced for extra strength (the EasyEdge®).

The panel is water-and moisture-resistant as well as resistant to mould and mildew.



Application

PERMAROCK® Cement Board Outdoor is used for exterior soffits, as well as exterior facade and cladding substrate for render and tiles.

Physical properties

Parameter	Units
Length (mm)	3,000
Width (mm)	1,200
Depth (mm)	12.5
Min. bending radius (m)	3
Min. bending radius for 300 mm wide strip (m)	1
Weight (kg/m²)	approx. 16
Dry bulk density (kg/m³) according to EN 12467	approx. 1,150
Bending strength (MPa) according to EN 12467	≥ 7
Tensile strength perpendicular to the plane of the board (N/mm²) according to EN 319	0.65
Shearing strength (N) according to EN 520	607
pH-value	12
Thermal conductivity (W/mK) according to EN ISO 10456	0.35
Thermal expansion (10 ⁻⁶ K ⁻¹)	7
Water vapour diffusion coefficient μ (-) according to EN ISO 12572	66
Length variation 65% - 85% humidity (mm/m) according to EN 318	0.23
Thickness variation 65% - 85% humidity (%) according to EN 318	0.2
Building material class according to AS 1530.1-1994	NOT deemed COMBUSTIBLE



Characteristics

- Ceiling backing board to accept proprietary finishing system such render
- Drylining for faster progress
- Weather and water-resistant
- Strong, robust, impact-resistant and NOT deemed COMBUSTIBLE
- Can be cut to shape using “score and snap” technique
- Simple and easy to install
- Can be bent when dry – up to 1 metre bending radius

Transportation and storage

Always carry boards upright using a board trolley or on a pallet using a forklift truck. When setting the boards down, make sure that corners and edges are not damaged.

The supporting surface must be able to carry the weight of the boards. A pallet of PERMAROCK® Cement Board Outdoor applies a floor loading from about 900 to 1,750 kg (as delivered).

PERMAROCK® Cement Board Outdoor must be protected from the effects of moisture and weather before installation. Boards that have become damp must be dried on both sides before use.

Allow time for the boards to acclimatise to the ambient temperature and moisture conditions before installation. The material, ambient air and background temperature must not be below +5°C.

Handling and installation

PERMAROCK® Cement Board Outdoor is attached to a steel frame ceiling system as well as framing system over brick, block and concrete external walls. The substructure should be selected according to the static requirements.

Stud spacing

Wall: max. 600 mm horizontal installation, refer to framing manufacturer (according to the static requirements, smaller distances are necessary)

Ceiling: max. 300 mm

Method of delivery

Thickness (mm)	Width (mm) x Length (mm)	Boards/Pallet	Surface/Pallet	Weight / Pallet	Item Code
12.5	1,200 x 3,000	30 pieces	108 m ²	1,728 kg	40007471

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