



# ThermicBoard PRO

- o For customized projects
- o For thermal insulation
- o For wall, ceilings and floors

## Features and benefits



Any finish



Exact dimensions



Discrete lightweight



High stability



Thermal insulation



Customizable



Easy handling



Easy installation



Safe and clean



35 kg/m<sup>3</sup>

3

EPS core density

165 g

glass fibre fabric

1,5 mm

cementitious adhesive thickness

## General product description

The ThermicBoard PRO construction panel is characterized by a grey core of rigid EPS reinforced on both sides with fiberglass fabric and wrapped with a high-performance ECO4 cementitious adhesive.

## Fields of use

Suitable for steam rooms, bathtubs, shower enclosures, and partition walls for both humid and dry environments, subject to strong and constant thermal stress, and covered on at least one side with tiles, mosaics, or natural stones.

## Product features

The ThermicBoard PRO construction panel can be applied to any type of substrate, is mechanically resistant to compression, versatile, thermally insulating, lightweight, stable, and extremely easy to work with and install.

### Core in raw EPS 250

Colour	Grey
Density	35 kg/m <sup>3</sup>
Reaction to fire	Class E
Thermal conductivity λ 10°C	0,033 W/(m*K)

### ECO4 cement adhesive

Colour	Grey
Weight (g/m <sup>2</sup> )	da 1775 a 1975
Reaction to fire	Class A1
Applied thickness	1,5 mm ± 10%

### Fiberglass mesh

Colour	White
Weight (g/m <sup>2</sup> )	160gr/m <sup>2</sup> ± 5%
Combustible content	0% of mass
Mesh size	3.9 x 3.8 ± 0.5mm

Info about installation feasibility and use of our products, indications or technical advice and other information provided by our collaborators takes place according to science and conscience and however, they are not binding and exclude all liability. Customers and their buyers will always have to check and ensure the product chosen are suitable for the procedures and the purposes intended.

### Foam Made S.r.l.

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## Subsequent processing notes

Waterproofing, suggested, on all exposed surfaces.

Cover with tiles, mosaic, natural stone, or mineral plaster as well, only 24 hours after completed structure installation.

## Technical features raw EPS

Insulation slab made of EPS, traditional white sintered expanded polystyrene. EPS 250 is the slab-cut from a block, ideal for applications that require great insulation and compression stresses.

Length	±2 mm	EN822
Width	±2 mm	EN822
Thickness	±1 mm	EN823
Squareness	±2 mm/m	EN824
Flatness	±5 mm	EN825
Dimensional stability under normal lab conditions.	±0,5 %	EN1603
Thermal conductivity declared at 10°C/50°F	0,033 W/(m·K)	EN12667
Bending resistance	≥350 KPa	EN12089
Behaviour in relation to fire	Classe E	EN13501/1
Compressive stress at 10% deformation	≥250 KPa	EN826
Resistance at water absorption by diffusion	40-100 (70)	EN12086
Long-term water absorption by immersion	≤2 %	EN12087
Water vapour permeability	0,010-0,024 mg/(Pa·h·m)	EN12086
Specific thermal capacity	1340 J/(Kg·K)	EN10456
Linear thermal expansion coefficient	65·10 <sup>-6</sup>	-
Elastic compress modulus	9000- 10800 KPa	EN826
Operation limit temperature	80 °C	-

## Storage

The FoamMED panel or element, regardless of thickness, must be kept in a flat-horizontal position, and protected from direct solar exposure, heat and moisture.

## Safety Informations

None

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