



- o For customized projects
- o For wet rooms exposed at high thermic stress

## Characteristics and advantages



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 wire mesh

1,5 mm

structural adhesive thickness

## General product description

The construction panel ThermicBoard FM, consisting by a grey coloured rigid EPS core, armed front and backside with glass fibre wire mesh, and coated with **Structural adhesive H40® No Limits®**.

## Fields of use

Hamam, Steam Baths, pools/tanks, showers, dividing walls in wet rooms, such as SPA areas, subjected at heavy thermic stress, tiled at least on one side, or clad with natural stone or mosaic tiles.

## Product features

ThermicBoard FM construction panels can be installed on any kind of surface, it's compression resistant, versatile, thermal insulating, lightweight, sturdy, extremely easy to set up and pose.

### Raw EPS Core

Colour	Light grey
Density	35 kg/m <sup>3</sup>
Reaction to fire	Class E
Thermal conductivity λ (declared at 10°C/50°F)	0,033 W/(m*K)

### Structural adhesive H40® No Limits®

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

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.



## 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	Class 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 ThermicBoard FM panel or element, regardless of thickness, must be kept in flat-horizontal position, and protected from direct solar exposure, heat and moisture.

## Safety Informations

None

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### Foam Made S.r.l.

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## Certificates & Test reports

Test method:

### ASSESSMENT

ASTM E 84-22

Description of the standard:

Surface burning characteristics of building materials

Denomination of the material:

ThermicBoard FM

Description of the material:

EPS panel covered on both sides by two-component smoothing whit glass fiber net incorporated, covered on one side with grès (ceramic) tiles.

### Results:

Reference Test Report no. 180.2AS0840/23 issued by LAPI S.p.A. on February 15, 2023

Ref. Lab.	Product name	Test Report	Class	Values obtained
180/23/AC	ThermicBoard FM	180.2AS0840/23	A	Δl=5ft*min – SDI=5
	Expiring Date	February 9, 2026		

### JUDGEMENT

On the basis of the above results to the material in object  
IS ATTRIBUTABLE according to ASTM E 84-22 the

### CLASS A



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