ThermicBoard FM



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

Characteristics and advantages





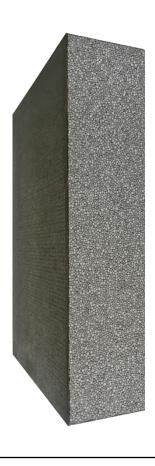












EPS core

structural adhesive

thickness



installation



General product description

Fields of use

Product features

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®.

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.

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 Structural adhesive H40® No Limits®

Colour Light grey Colour Light grey

Density 35 kg/m³ Weight (g/m²) from 1775 to 1975

Reaction to fire Class E Reaction to fire Class A1

Thermal conductivity X 0,033 W/(m*K) Applied thickness 1,5 mm ± 10% (declared at 10°C/50°F)

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.

ThermicBoard FM





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- mg/(Pa·h·m)	0,024 EN12086
Specific thermal capacity	1340 J/(Kg·K)	EN10456
Linear thermal expansion coefficient	65·10 ⁻⁶	-
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.

ThermicBoard FM





Certificates & Test reports

ASSESSMENT

Test method: **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	А	SI=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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