

## TECHNICAL DATA SHEET

### Technogips Pro Blue Board GM-FH1-IR

Quick, efficient and reliable solution for exterior walls for short deadline execution. Easy to use - with no special tools required - other than standard for dry construction.

Technogips Pro Blue Board GM-FH1-IR is composed of hydrophobic gypsum core with special additives and bi envelope of glass matt, which provides superior strength and impact resistance.



#### Standard Classification:

In compliance with EN 15283-1:2008, type: **GM-F, GM-H1, GM-R, GM-I**

- ✓ Improved Fire Resistance – class F
- ✓ Decreased water absorption – class H1
- ✓ **Improved impact resistance – class I**
- ✓ **Improved strength – class R**



#### Advantages and properties:

- ✓ Superior impact resistance
- ✓ Low self-weight
- ✓ Mold resistance
- ✓ High resistance to water and humidity
- ✓ Breathable - eliminates the need for a breather membrane helping to reduce project costs
- ✓ Fully non-combustible - Euroclass A1
- ✓ 50% quicker to install than the other types exterior boards
- ✓ 20% lighter than the other types exterior boards, making it easy to lift and move around site

#### Application:

- ✓ In **Technogips Pro Facade Systems** as a general external sheathing board
- ✓ In **Technogips Pro Facade Systems** with ETICS as a general external sheathing board
- ✓ In **Technogips Pro Ventilated Facade Systems** as an external sheathing board behind the exterior cladding.

#### Technical Data:

Board dimensions	
Thickness	12.5 mm
Width	1200 mm
Length	2000 mm
Edge	Square (SK)
Pack size	
Boards per pallet	40 (96 m <sup>2</sup> )
Board weight	11.5 kg/m <sup>2</sup>
Technical characteristics	
Flexural breaking load	
✓ longitudinal	> 725 N Type R
✓ transversal	> 300 N Type R
Reaction to fire	A1
Thermal conductivity, λ	0.25 W/(m.K)
Water vapor resistance factor, μ	10
Total water absorption	< 5 % Type H1
Resistance to mold growth	10/10 no mold growth

### Edges:

The squared edges (SK) allow easy filling of the joints with a suitable cement joint filler and reinforcing mesh, thus ensuring the flatness of the entire surface of the facade wall.



### Recommendations:

- ✓ Except for the standard tools for dry construction, no use of special operation tools is required.
- ✓ The sheathing with Blue Board does not provide a finished surface resistant to weather conditions for a long period of time.
- ✓ After installing the boards, it is advisable to skim completely by using cement adhesive.
- ✓ Construction engineer is responsible for executing the specific requirements regarding distances between profiles, type and distances between screws which have to ensure strong and wind resistant structure.

### Storage:

- ✓ Store the pallets indoors to protect them from rain, sun and other adverse weather conditions.
- ✓ It is allowed to place a maximum 6 pallets one over the other for storage purposes.
- ✓ Product quality is guaranteed only when the product is stored and used correctly.

Board thickness	Boards / Pallet
12.5 mm	40 pcs (96 m <sup>2</sup> )

### Safety recommendations:

- ✓ Product not classified as hazardous.
- ✓ The use of safety gloves, mask and goggles is strongly advisable when working with this product, in prevention from physical harm and dust particle inhalation.

### Additional Information:

Technogips Pro provides a wide range of construction products for various applications divided into the following product categories:

- ✓ Drywall System Solutions;
- ✓ Lightweight Façade Systems;
- ✓ Systems for fire protection and sound insulation;
- ✓ Gypsum-based plasters and finishes;

Technogips Pro also provides various technical information such as CAD details, detailed method statements, specification clauses, application manuals and technical support both in contractors and consultants offices as well as construction sites. For further information on these products and systems kindly check our website or contact your local Technogips Pro representative.

*Technogips Pro reserves the right to change any of the specifications and technical data mentioned in the Technical Data Sheets at its sole discretion without prior notification.* May 2020©