

## TECHNICAL DATA SHEET

### Technogips Pro Titan Board Type DFH1IR

Premium board of a new generation, intended for use in interior premium quality dry construction systems as partition walls, shaft walls, wall linings and suspended ceilings in areas with higher requirements for fire protection, sound insulation, moisture resistance and high levels of robustness of mechanical impacts.

The board is ideal for hotels, schools, hospitals, and other large commercial projects.



#### Standard Classification:

In compliance with EN 520:2004 + A1:2009, type: **DFH1IR**



#### Advantages and properties:

- ✓ High density of gypsum core for better sound insulation and stability **Type D**
- ✓ Increased resistance to high temperatures **Type F**
- ✓ Highest class of moisture resistance **Type H1**
- ✓ Impact and scratch resistance **Type I**
- ✓ Exceptional strength and durability **type R**
- ✓ Element of system solutions for fire protection Technogips Pro
- ✓ Element of system solutions for sound insulation Technogips Pro
- ✓ Provide healthy environment that controls moisture.
- ✓ Ideal for interior application in areas with high humidity up to 90% for short periods of time and assured ventilation.

#### Application:

Titan Board DFH1IR is a vital component in each of our high-performance systems for the implementation of lightweight partition walls, shaft walls, wall claddings and suspended ceilings. Technogips Pro system solutions are widely used in:

- ✓ Residential buildings
- ✓ Hotels
- ✓ Hospitals
- ✓ Educational institutions

#### Technical Data:

Board dimensions	
Thickness	12.5 mm
Width	1200 mm
Length	2000 mm
Edge	Tapered (TE/AK)
Pack size	
Boards per pallet	40 (96 m <sup>2</sup> )
Board weight	13 kg/m <sup>2</sup>
Technical characteristics	
Flexural breaking load	
✓ longitudinal	> 725 N Type R
✓ transversal	> 300 N Type R
Reaction to fire	A2-s1,d0
Thermal conductivity, $\lambda$	0.25 W/(m.K)
Water vapor resistance factor, $\mu$	10
Total water absorption	< 5 % Type H1

### Edges:

The tapered edges (TE/AK) allow easy filling of the joints with a suitable joint filler and paper joint tape, thus ensuring the flatness of the entire surface.



### 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:

- ✓ Dry Construction System Solutions;
- ✓ Lightweight Façade Systems;
- ✓ Professional 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.

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