



# **GLASS SHIELD**

# Application

The GYPFOR GLASS SHIELD plasterboard is suitable for semiweather or indoor applications in high humidity areas. Reinforced with glass fiber in its core, presents high resistance and an improved fire reaction (A1).

Plasterboard with low water absorption for application in areas with high ambient humidity, such as bathrooms, kitchens, changing rooms, laundry rooms, collective showers in hospitals, hotels and schools. Suitable for:

- Continuous suspended or fixed ceilings;

- Partition walls;
- Existing wall linings;
- Facades.

## **Physical Characteristics**

Board Type EN 15283-1 GM-F, H1, I, R

#### Core

Non-combustible, dimensionally stable, inert gypsum

Paper Glass fiber; color marfil

Longitudinal Edge Tapered edge (TE)

Transversal Edge Square edge (SE)

Label colour Black

Laminated plasterboard covered on both sides with fiberglass to reduce water absorption and improve fire resistance. Gypsum board primer should be applied before painting or adding any textural material. GYPSUM PLASTERBOARD DRYWALL CONSTRUCTION



# **GLASS SHIE**



### **Technical specifications**

	Board type		TYPE AQUA, FIRE, ACOUSTIC	
tolerances			GM-F, H1, I, R	EN 15283-1
±0.7 mm	Reaction to fire		A1	EN 13501-1
+0/-4 mm	Thermal conductivity	W/(m.°C)	0.25	EN ISO 10456
Length: +0/-5 mm	Density	kg/m3	≥ 950	
	Water vapor resistance		10	EN ISO 10456
	Specific heat	kJ/(kg.⁰C)	1	EN 12524
	Air permeability	m3/(m2.S.Pa)	1.4 x 10 <sup>6</sup>	
	Surface hardness	mm	≤ 15	EN 15282
	Water resistance	%	≤ 5	EN 15283-1
	Dimensiones			
	Thickness	mm	12.5	
	Width	mm	1200	
	Lengths	mm	2400	
Wall Linings	Approximate weight			
	Board thickness 12.5 mm	kg/m²	12.00	
	Breaking loads			EN 15283-1
	Thickness		12.5	
	Longitudinal	N	≥ 725	
	Transverse	N	≥ 300	
	±0.7 mm +0/-4 mm	tolerances ±0.7 mm +0/-4 mm +0/-5 mm Pensity Water vapor resistance Specific heat Air permeability Surface hardness Water resistance Dimensiones Thickness Width Lengths Approximate weight Board thickness 12.5 mm Breaking loads Thickness Longitudinal	tolerances ±0.7 mm +0/-4 mm +0/-4 mm +0/-5 mm Holerance Pensity Water vapor resistance Specific heat Specific heat Mater vapor resistance Specific heat Specific heat Mater resistance Surface hardness Surface hardness Mater resistance Mater resistance	GM-F, H1, I, R $\pm 0.7 \text{ mm}$ Reaction to fireA1 $\pm 0.7 \text{ mm}$ Thermal conductivity $W/(m. \circ C)$ 0.25 $\pm 0/-4 \text{ mm}$ Thermal conductivity $W/(m. \circ C)$ 0.25 $\pm 0/-5 \text{ mm}$ Density $kg/m3$ $\geq 950$ Water vapor resistance10Specific heat $kJ/(kg. \circ C)$ Air permeability $m3/(m2.S.Pa)$ $1.4 \times 10^6$ Surface hardness $mm$ $\leq 15$ Water resistance% $\leq 5$ DimensionesThickness $mm$ Thickness $mm$ 12.5Width $mm$ 2400Approximate weightBoard thickness 12.5 mm $kg/m^2$ Breaking loadsThickness12.5Longitudinal $N$ $\geq 725$



Edge type Tapered Edge - TE

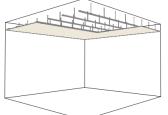
This plasterboard has a non-combustible core and additives that improve its mechanical resistance to fire, making it suitable for systems with special fire protection requirements. It also has a special water repellency treatment for increased moisture resistance, however it is not indicated for application in direct contact with water. It can be coated with ceramics or similar materials.

Sizes (mm)

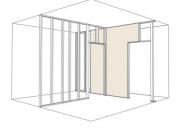


EURO**GYPSUM** CE

To maintain GYPFOR GLASS SHIELD performance integrity, the drywall plasterboard should be protected from exposure to adverse conditions during storage and construction.



#### Partitions



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