

# PROGUARD GLASS MAT SHEATHING BOARD

## Technical Data Sheet

Mada Proguard Glass Mat Sheathing Board - 2025



### Advantage



Fire resistance  
Class A  
to EN13501-1



Pest  
resistance



Moisture  
resistance



Limitless design  
options



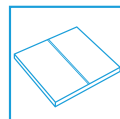
Improved  
insulation  
(U-Values) and  
energy efficient



Light  
weight



Ease of  
Installation



Score &  
snap



Cost saving  
solution



Excellent  
weather  
exposure - 12  
months



## TECHNICAL DATA SHEET

### Product Description

Mada ProGuard Glass Mat Sheathing Board is a noncombustible, mold, delamination, and moisture-resistant sheathing board that meets the onerous requirements of an external substrate. It is designed for use under Exterior Insulation Finish Systems (EIFS), exterior claddings like brick veneer, marble cladding, siding systems, porcelain tiling and conventional stucco or direct render. The reinforced core minimizes the potential for warping, buckling, sagging, and rippling, and fire-resistant additives create a noncombustible sheathing board. Panels are installed vertically using standard mechanical fasteners, to deliver the rigidity and fire-rating of wall and ceiling systems.

### Field of Application

- SFS Infill & External Sheathing
- Fire resistant buildups
- Cladding Systems
- Temporary Weather protection

### Manufacturing Standard

- Mada ProGuard Glass Mat Sheathing Board are designed and produced to EN 15283-1:2008



### Product Characteristics

- Length: Standard lengths are 2400mm.
- Width: 1200mm.
- Thickness: 12.5mm.
- Edge: Square
- Color: Light blue / White on back side.

### Warranted Performance

Mada ProGuard Glass Mat Sheathing Board is warranted weather exposure for 12 months.



## TECHNICAL DATA SHEET

### Technical Specification

Parameters	Applicable Standard	ProGuard Board Thickness
		12.5mm
Weight (kg/m <sup>2</sup> )	± 0.2	10.6
Board Density (kg/m <sup>3</sup> )	Minimum	832
Flexural Strength (N) (Longitudinal)	EN 15283-1:2008	Mean 799 N
Flexural Strength (N) (Transverse)	EN 15283-1:2008	Mean 576 N
Water Absorption (%)	EN 15283-1:2008	Pass - designation GM-H1
Flame Spread Index	EN 13501-1:2018	D0
Smoke Developed Index	EN 13501-1:2018	S1
Asbestos (% by weight)	-	No asbestos fiber detected

\* as per BBA certificate

### Fastening and Framing

ProGuard Board Thickness	Framing Spacing	Panel Orientation	Fastener Spacing-Metal Framing <sup>c</sup>
12.5mm	600mm o.c. max <sup>a,b</sup>	Parallel or perpendicular	200mm o.c. along framing

a. Only for mechanically attached claddings. When specified behind EIFS, maximum framing spacing for single layer 12.5 mm Mada ProGuard glass mat sheathing is 400 mm o.c.

b. For racking strength resistance, apply panel edges parallel with framing spaced a maximum of 400 mm o.c. for both 12.5 mm.

c. Fire-rated assemblies may require additional fasteners, see specific assembly details.

### Recommendations

Installed Mada ProGuard Glass Mat Sheathing Board must be covered by the exterior cladding system within a 12-month period.

Mada ProGuard Glass Mat Sheathing Board is water-resistant, but it's not suitable for prolonged exposure to rainfall.

Framing and application details and requirements shall be determined from the weather-resistant barriers, cladding, structural assemblies, and fire-resistance requirements for the project, and must be approved by the project architect, engineer, or designer.

Avoid conditions during construction that could result in an excessive moisture load inside the building. Items such as forced-air heaters, masonry, or concrete pouring and finishing produce large volumes of water vapor, which can condensate in unfinished exterior wall cavities. Use ventilation or dehumidification to reduce moisture levels below the dew point of the outside air. Any damage resulting from improper moisture management is not the responsibility of Mada Gypsum.

Panels are heavy and could fall over causing injury or death. Always store panels flat, unless directed otherwise by the site manager to eliminate tripping hazard or avoid point overloading of the floor structure.



# TECHNICAL DATA SHEET

## Handling and Storage

- Mada ProGuard Glass Mat Sheathing Board must be stored on a firm, dry, and structurally sound flooring assembly, using pallets or board packs to avoid direct contact with the floor and moisture sources.
- Never stack pallets higher than 4 pallets in height.
- Do not store other materials on top of Mada Proguard pallets.
- Protect Mada ProGuard Boards from direct rain, wind, sunlight, or other inclement weather conditions.

## Limitations

- Mada ProGuard Glass Mat Sheathing Board shall not be used as a nail base for exterior cladding system.
- The specific requirements for frame spacing, fastener spacing, and fastener details to provide lateral wind-load resistance are the responsibility of the project architect, engineer, or designer (Refer to technical data and specifications on the following pages).
- Mada ProGuard Glass Mat Sheathing Board is weather-resistant but is not designed for constant water exposure. If extreme weather exposure is a possibility, the design professional should consider treating the panel joints, or installing a weather-resistant barrier.
- Do not laminate panels to masonry surfaces or substrates, use furring or framing material for attachment purposes.
- Maximum stud spacing is 600mm on center.
- Mada ProGuard Glass Mat Sheathing Board is not a finished surface.

## Precautions for safe handling

- Minimize dust generation for sawing or sanding purposes in poorly ventilated areas.
- When working with individual sheets, always work from a single pallet, do not pull from stacks.
- Avoid eye contact – refer to Safety Data Sheet for hazard identifications and personal protective equipment.
- Mada Proguard will not support body weight between rafters, joists, and framing members.
- Manual handling – Mada Proguard sheets can be awkward without using an appropriate lifting technique. The weight of each sheet can vary based on different size and thickness factors.
- Mechanical handling – Pallet dimensions will vary, depending on the size of the plasterboards. To avoid overloading the lift truck, always check the palletized load weight provided within the weight tables.

## Conditions for safe storage, including any incompatibilities

Store on pallets supplied in dry conditions to separate product from ground surface. Always place pallets on firm level ground and ensure that stacks are both level and vertical.

The maximum stack heights on level concrete on level concrete floors and vertical stacks are as follows:

Board width (mm)	Board length (mm)	Pallet stack height pack
1200	2400	4

## Material Packing Details

Thickness	12.5mm
Boards per pallet	58

Note: Pallet weight may vary depending on packing (protection board, spacers ...).