



DOVA GUARD 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.





DOVA GUARD consists of an aerated gypsum core with special additives encased in to give it high fire and moisture resistance, Laminated with strong fiberglass mat to give more strength and resistance to atmospheric conditions.

DOVA GUARD Gypsum Board is a plasterboard that is suitable for heavy duty drylining internal or external surfaces.

DESCRIPTION

DOVA GUARD Gypsum Board are gypsum wallboards specially designed to offer superior strength with high mold and moisture resistance, lined with glass-mat face to give shed for the **internal or external** conditions

HANDLING & INSTALLATION

DOVA GUARD Gypsum Board is attached to a vertical stud frame. The substructure should be selected according to the static requirements. Depending on these requirements, it is possible to use single or double-layer planking or a combination with other dova board construction boards.

APPLICATION

Primary Uses **DOVA GUARD** glass mat sheathing board can be specified for exterior walls, ceilings, and soffits in a wide variety of exterior applications:

- EIFS (Exterior Insulation Finish Systems)
- Cavity brick or stone veneer finishes
- Cladding systems such as wood/vinyl/composition siding, plywood panels, wood shingles/shakes, and conventional stucco finishes
- Interior finishes requiring a substrate panel with superior fire and moisture resistance



GENERAL FEATURES



Dimensionally Stable



Dry & Clean Application



Climate Balances



Lightweight



Sound Proof



Water Resistance



Fire Resistance



PROPERTIES



Fire resistance Class A
to ASTM E84



Pest
resistance



Mold & Moisture
Resistance



Limitless Design
Options



Ease of
Installation



Score &
snap



Cost Saving
Solution



Excellent Weather
Exposure - 12 months
warranty



10 years System
Warranty






PROPERTIES

Parameters	Applicable standard	ProGuard Board Thickness	
		12.5mm	16mm
Weight (kg/m ²)	± 0.2	10.6	13.3
Board Density (kg/m ³)	Minimum	832	819
Flexural Strength (N) (Longitudinal)	ASTM C1177 / C1177M	≥ 445	≥ 623
	EN 15283-1:2008	≥ 537.5	≥ 688
Flexural Strength (N) (Transverse)	ASTM C1177 / C1177M	≥ 356	≥ 445
	EN 15283-1:2008	≥ 210	≥ 268.8
Nail Pull Resistance (N)	ASTM C1177 / C1177M	≥ 356	≥ 402
Water Absorption (%)	ASTM C1177 / C1177M	≤ 5	
	EN 15283-1:2008	H1	
Flame Spread Index	ASTM E84	25 or less	
Smoke Developed Index	ASTM E84	450 or less	
Asbestos (% by weight)	-	No asbestos fibers detected	





TECHNICAL DATA SHEET

Thickness	12.7 & 16 mm	Variation (mm) \pm 0.3
Width	1200 - 1220mm	Variation (mm) 0-3
Length	2400 - 4000mm	Variation (mm) \pm 4
Edge	Square (SE)  Beveled (BE)  Tapered (TE) 	
Appearance	Orange Paper Liner	
Asbestos content	None	Volatile Organic Compound (mg/m ³) \leq 0.5
Board Type:	ASTM C1396M Type X DIN EN 520 Type H2	
Mold Growth	(ASTM D3273): 0%	
Squareness (mm)	\leq 2	Taper Depth (mm) 0.80
Reaction to Fire	A2-s1,d0 (B) (ASTM E84, EN 13501)	
Hardness (N)	Core \geq 250 End \geq 235 Edge \geq 255	
Flexural Strength (N) ASTM C473 Method A	12.7 mm / L: \geq 650 T: \geq 470 16mm / L: \geq 850 T: \geq 610	
Nail Pull (N)	12.7mm / \geq 430 16mm / \geq 540	
Humidified Deflection (mm)	12.7mm / \leq 8 16mm / \leq 6	
Water Absorption	5-10% of the board dry weight after 2 hours of water immersion	





DOVA GUARD HIGH PERFORMANCE

Treated gypsum core with coated fiberglass mat on both sides provides superior strength and water resistance

Meets or exceeds ASTM C1177 requirements

Ideal for use with most exterior cladding systems when installed as per manufacturer's details

Noncombustible rating when tested in accordance with ASTM E136

Score and snap cutting, easily worked with standard tools

Mold Resistant

Can be left exposed for up to 12 months after installation



Manufacturing Standard

- ❑ • DOVA GUARD glass mat sheathing boards are designed and produced to ASTM C1177 / C1177M Type X and EN 15283-1 :2008 Type GM-H1, GM-R, GM-F and GM-I Class 1 Standards.
- ❑ • DOVA GUARD glass mat sheathing boards has been tested in accordance with ASTM E84 and ASTM E119.





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