



TECHNICAL DATA SHEET

IDENTIFICATION

The Gypsemna's GLASS MAT (EXTENAL) gypsum plasterboard 16.0 mm – **GM SE 16.0** - is a factory produced 1.20m wide gypsum board offering its high quality properties of mold and mildew resistance, non-combustibility, fire resistance and mechanical stability that makes it suitable for screw-fastening to drywall structures in steel as well as in wooden sections. It is encased in a heavy specially treated, blue coloured glassmat liner on the face side and grey coloured glassmat liner on the back side.

The face glassmat liner is folded around the square long edges (on the face side only) to reinforce and protect the core and cross ends are square cut.



STANDARDS

GM SE 16.0 complies with **ASTM C 1177/C 1177M -Type X** and **EN 15283 Part1**

SPECIFICATIONS

DIMENSIONS:

- LENGTH 2.4 M / 3 M (other lengths at request)
- WIDTH 1.2 M
- THICKNESS 16.0 mm

EDGE

Square (Other edges are also available)

WEIGHT

13.1 KG/M²

MINIMUM CORE DENSITY

821 KG/M³

FLEXURAL BREAKING LOAD*

- LONGITUDINAL (N) >850(Average of face up and face down)
- TRAVERSE (N) >450(Average of face up and face down)

NAIL PULL RESISTANCE (N)*:

>410(As per Method B)

WATER ABSORPTION BY WEIGHT*

≤ 5 %

AVERAGE HUMIFIED DEFLECTION*

≤ 3mm

* **Tested As per ASTM C 473 – 03A / Clause 11, 12, 13, 14 & 20**

RESISTANCE TO MOLD GROWTH:

Score of 10(nil Mold growth) as per ASTM D-3273-94.

FIRE SAFETY:

Surface burning in accordance with **ASTM E84** gives flame spread < 25, no smoke. Class A.

HEALTH AND SAFETY:

There is no significant health hazard when using and fixing Gypsemna GLASSMAT (EXTERNAL) gypsum plasterboard. It is free from Asbestos & Strontium Sulphide.

PROPERTIES AND USAGE:

GLASSMAT (EXTERNAL) gypsum plasterboard is the ideal product for external use under exterior cladding. Its surface is suitable to receive rendering or EIFS. The gypsum core offers no support for combustion and temperature is kept under control until entirely calcinated. It offers highly prolonged measurable fire-resistance of drywall systems. The addition of glass fibres and the special additives in the board improves the cohesive and fire integrity properties providing greater fire resistance. It contributes to higher sound reduction in acoustic systems (due to the increase in the mass of the board), in comparison with the regular boards. It offers high weather resistance due to the moisture resistant core and water repellant glass mat liner.

Part of Gypsemna drywall system: System performance warranty only by using all listed Gypsemna system components!