

# TECHNICAL DATA SHEET

MOLD & MOISTURE RESISTANT GYPSUM PLASTERBOARD  
- MMR TE 13.0

جيسمنا  
gypsemna



## TECHNICAL DATA SHEET

### IDENTIFICATION

The Gypsemna's MOLD & MOISTURE RESISTANT gypsum plasterboard 13.0 mm – **MMR TE 13.0** - is a factory produced 1.20 m wide gypsum plasterboard offering besides the inherent properties of moisture resistant plaster board, has accrued mold and mildew resistance. This specific property is due to the specific biocide added to core of the board, along with other moisture resistant additives and glass fibres. The **MMR TE 13.0** gypsum plasterboard is encased in a heavy natural-finish green coloured paper on the face side and a strong green colour paper on the back side.

The face paper is folded around the tapered long edges (on the face side only) to reinforce and protect the core and cross ends are square cut. The taper allows for concealing of joints by an appropriate joint treatment.

### STANDARDS

MMR TE 13.0 complies with EN 520 Type A, H1; ASTM C 1396/C 1394M and BS 1230 Part1 Type3,4

### SPECIFICATIONS

#### DIMENSIONS:

- LENGTH 2.4 M / 3 M (other lengths at request)
- WIDTH 1.2 M
- THICKNESS 13.0 mm

#### EDGE

Tapered (Other edges are also available)

#### WEIGHT

9.6 KG/M<sup>2</sup>

#### MINIMUM CORE DENSITY

735 KG/M<sup>3</sup>

#### FLEXURAL BREAKING LOAD\*

- LONGITUDINAL (N) >550 ( Average of face up and face down)
- TRAVERSE (N) >230 ( Average of face up and face down)

#### NAIL PULL RESISTANCE (N)\*

>370 ( As per Method B )

#### WATER ABSORPTION BY WEIGHT\*

≤ 5 %

#### SURFACE WATER ABSORPTION

≤ 1.6g (as per ASTM C1396)

#### AVERAGE HUMIFIED DEFLECTION\*:

<12mm

#### RESISTANCE TO MOLD GROWTH:

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

#### FIRE SAFETY:

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

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

#### HEALTH AND SAFETY:

There is no significant health hazard when using and fixing Gypsemna MMR plasterboard. It is free from Asbestos & Strontium Sulphide.

### PROPERTIES AND USAGE:

Moisture repellent additives provide significant prolonged resistance to water penetration and make these boards suitable for drywall systems in humid aerated areas. The special biocide in the core provides the required mold resistance on exposure to water. They are not suitable for permanently wet & humid areas as well as for outside use – see Gypsemna GlassMat boards. The gypsum core offers no support for combustion and temperature is kept under control until it is entirely calcined. Mold & Moisture Resistant gypsum plasterboards is associated with a volume loss resulting in cracks that will limit the fire-resistance of drywall systems. For prolonged measurable fire-resistance of tested drywall systems with mold and moisture resistance, GlassMat(GM) External gypsum boards have to be used as per relevant technical data sheets.

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

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Doc/Tds/MMR TE 12.5/14/Rev:0