

TECHNICAL DATA SHEET

TUFF MOLD AND MOISTURE RESISTANT GYPSUM PLASTERBOARD

- TF MMR TE 15

جيسمنا
gypsemna



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IDENTIFICATION

The Gypsemna's TUFF, MOLD and MOISTURE RESISTANT gypsum plasterboard 15.0 mm – **TF MMR TE 15.0** - is a factory produced 1.20 m wide gypsum board offering higher performance properties besides impact resistance, non-combustibility, fire resistance and mechanical stability- it offers special additional properties such as moisture resistance, 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. It is suitable for screw-fastening to drywall structures in steel as well as in wooden sections. It is encased in a very heavy natural-finish yellow coloured strong liner paper on the face side and 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

TF MMR TE 15.0 complies with **ASTM C 1396/C 1396M -Type X** and **EN 520 Type H1,D,F,I and R**

SPECIFICATIONS

DIMENSIONS:

- LENGTH 2.4 M
- WIDTH 1.2 M
- THICKNESS 15 mm

EDGE

Tapered (Other edges are also available)

WEIGHT

13.3 KG/M²

MINIMUM CORE DENSITY

855 KG/M³

FLEXURAL BREAKING LOAD*

- LONGITUDINAL (N) >860 (Average of face up and face down)
- TRAVERSE (N) >380 (Average of face up and face down)

NAIL PULL RESISTANCE (N)*

>560 (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
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 TUFF MMR gypsum plasterboard. It is free from Asbestos & Strontium Sulphide.

PROPERTIES AND USAGE:

TUFF MMR gypsum plasterboard is the ideal product for impact resistance and suitable for use in areas subject to crowd pressure, impact damage. 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 entirely calcinated. It offers prolonged measurable fire-resistance of drywall systems. The addition of glass fibres and the special additives in the Gypsemna TUFF MMR Board improves the cohesive properties and fire integrity properties providing greater fire resistance, as there is no volume loss. It gives better impact resistance (due to the very heavy duty paper) and acoustic resistance (due to the increase in the mass of the board), in comparison with the regular boards.

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