

TECHNICAL DATA SHEET

IDENTIFICATION

The Gypsemna's MOISTURE RESISTANT gypsum plasterboard 12.5 mm – **MR TE 12.5** - is a factory produced 1.219 m wide gypsum plasterboard offering besides the inherent properties of regular plaster board, has accrued moisture resistance. This specific property is due to specific additives such as water repellent agents and increase in weight. The **MR TE 12.5** 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

MR TE 12.5 complies with **EN 520 Type A,H1; ASTM C 1396/C 1396M and BS 1230 Part1 Type3,4**

SPECIFICATIONS

DIMENSIONS:

- LENGTH 1.829 M / 2.438 M (other lengths at request)
- WIDTH 1.219 M
- THICKNESS 12.5 mm

EDGE

Tapered (Other edges are also available)

WEIGHT

9.4 KG/M²

MINIMUM CORE DENSISTY

725 KG/M³

FLEXURAL BREAKING LOAD*

- LONGITUDINAL (N) >530 (Average of face up and face down)
- TRAVERSE (N) >220 (Average of face up and face down)

NAIL PULL RESISTANCE (N)*

>360 (As per Method B)

WATER ABSORPTION BY WEIGHT*

≤ 5 %

SURFACE WATER ABSORPTION

≤ 1.6g (as per ASTM C1396) or 160gm/m²(as per BS 1230 Part1)

AVERAGE HUMIFIED DEFLECTION*:

<12mm

FIRE SAFETY:

* **Tested As per ASTM C 473 – 03A / Clause 11, 12, 13, 14 & 20**
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 MR 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. They are not suitable for enclosed permanently 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. 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 Gypsemna Moisture Resistant Firewall(MRFW) and/or 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!