

## TECHNICAL DATA SHEET

### IDENTIFICATION

The Gypsemna's MOISTURE RESISTANT FIREWALL gypsum plasterboard 15.0 mm – **MRFW TE 15.0** - is a factory produced 1.219 M wide gypsum board offering besides the inherent properties of FIREWALL plaster board, has accrued moisture resistance. This specific property is due to specific additives such as water repellent agents in it core in addition to the fire retarding agents. It is encased in a heavy natural-finish green coloured paper on the face side and on strong pink coloured 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

**MRFW TE 15.0** complies with **EN 520 Type I,F and H1, ASTM C 1396/C 1396M - Type X and BS1230 Part 1 Type 3,4,5**

### SPECIFICATIONS

#### **DIMENSIONS:**

- LENGTH 2.438 M (other lengths at request)
- WIDTH 1.2 19 M
- THICKNESS 15.0 mm

#### **EDGE**

Tapered (Other edges are also available)

#### **WEIGHT**

12.7 KG/M<sup>2</sup>

#### **MINIMUM CORE DENSISTY**

820 KG/M<sup>3</sup>

#### **FLEXURAL BREAKING LOAD\***

- LONGITUDINAL (N) >840( Average of face up and face down)
- TRAVERSE (N) >360 ( Average of face up and face down)

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

>500(As per Method B)

#### **WATER ABSORPTION BY WEIGHT\***

≤ 5 %

#### **AVERAGE HUMIFIED DEFLECTION\*:**

<10mm

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

#### **FIRE SAFETY:**

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 Moisture Resistant Firewall gypsum 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. The gypsum core offers no support for combustion and temperature is kept under control until entirely calcinated. **MOISTURE RESISTANT FIREWALL** gypsum plasterboard is the ideal product for prolonged measurable fire-resistance of drywall systems. The addition of glass fibres and the special additives in the Gypsemna **MOISTURE RESISTANT FIREWALL** Board improves the cohesive properties and fire integrity properties providing greater fire resistance, as there is no volume loss. It also gives better 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!**

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