



GYPSUM BOARDS

DESCRIPTION

Gypsum boards are widely used for internal walls and ceilings, and are manufactured by calcining gypsum into a plaster, making a slurry from the plaster, and passing the slurry through machines which shape, set, and cut into a board.

Gypsum boards are produced from high purity natural gypsum core being sheeted in a closely adhering best-selected special cardboard.

STANDARDS

Gypsum Boards are manufactured according to EN-520, ASTM C 1396 and DIN 18180 standards. Concerning fire resistance boards, comply with DIN 4102, UL 263 and ASTM E119-88.



SPECIFICATIONS

	9.5 mm	12.5 mm	15 mm	18 mm
Thickness	9.5 mm	12.5 mm	15 mm	18 mm
Weight Kg/m ²	7.0 to 7.2	9.2 to 9.5	11.0 to 11.4	13.2 to 13.7
Fire Rated Period	33 Mins	45 Mins	60 Mins	80 Mins
Water Absorption	5 - 8 %	5 - 8 %	5 - 8 %	5 - 8 %

TYPES

5 separate types are available:

- Regular Gypsum Boards
- Fire Resistant
- Moisture Resistant
- Moisture & Fire Resistant
- Laminated with Lead Sheets Boards

Edges

- Tapered edge boards (This type is common and convenient to use. Paper tapes are fixed between the edges of two boards).
- Squared edge boards (Untapered edge).
- Beveled edge boards (Are produced on demand).

PANEL DIMENSIONS

Gypsum boards are of standard width of 1200 mm and a length from 1800 mm to 4500 mm. Gypsum Boards' thicknesses of 9.5 mm, 12.5mm, 15mm and 18mm are available.

CHEMICAL PROPERTIES OF REGULAR GYPSUM

CHEMICAL PROPERTIES	
Contents	%
Free Water	
Combind Water	5
Insoluble Residue + SI O2	0.97
Aluminum Oxide + Ferric Oxide	0.6
Total Calcium Oxide	34
Magnesium Oxide	0.1
Sulphate Trioxide	42
Sodium Chloride	0.06

PHYSICAL PROPERTIES OF REGULAR GYPSUM BOARDS

PHYSICAL PROPERTIES	
Contents	%
Finesess mm 0.045	65
Finesess mm 0.063	26
Finesess mm 0.09	14
Finesess mm 0.125	6
Finesess mm 0.2	5
Finesess mm 0.3	Zero
Comb. Water	5
Initial Setting Time	5.9 mm
Gypsum Ratio	70
Bending Strength (7 days)	4 N/mm ²



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