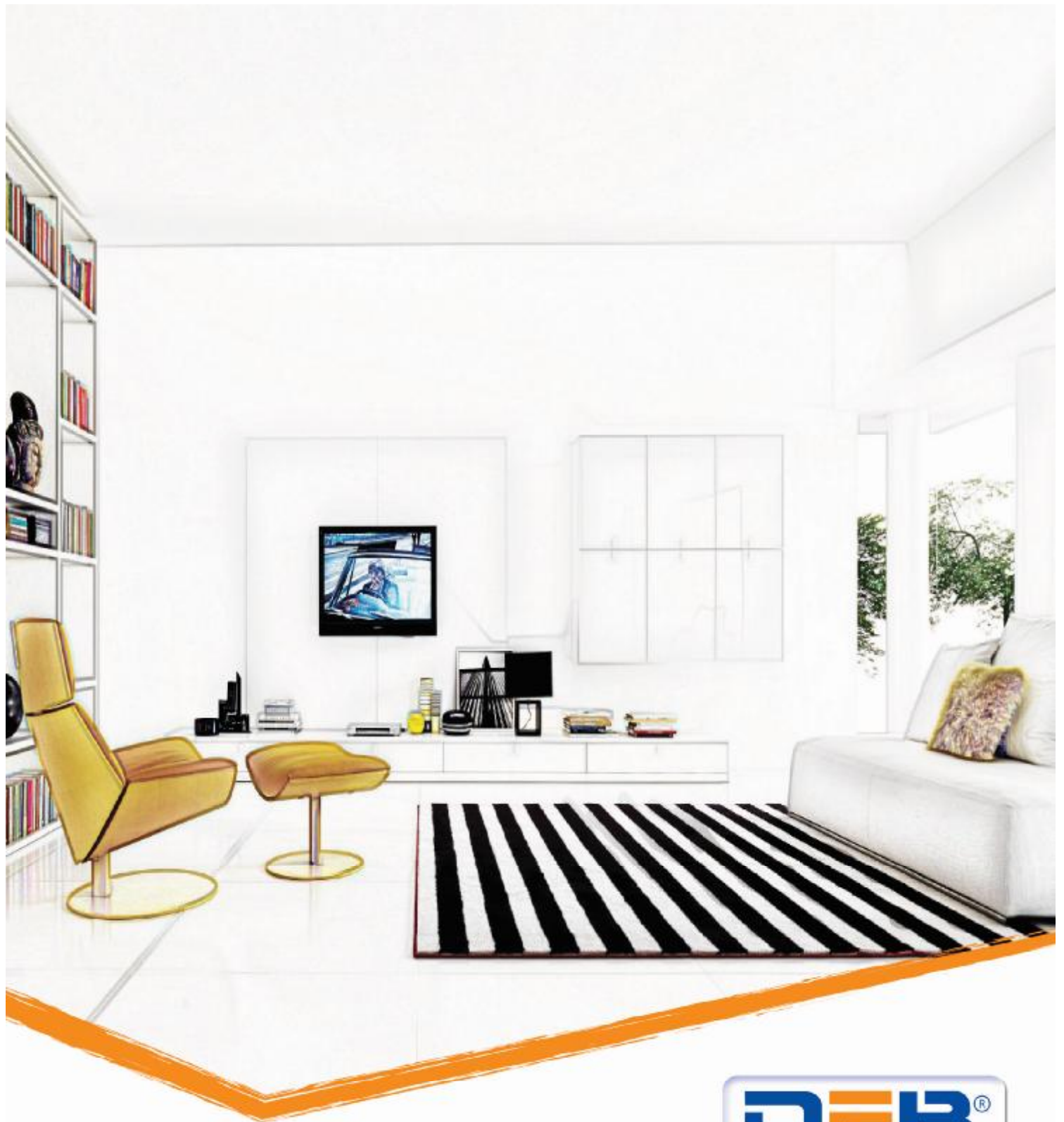




All about Aesthetics And Economics

Gypsum Powder | Gypsum Board | Gypsum Tile | Drywall Accessories



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Company Profile

DFB GYPSUM Industries is the leading manufacturer of Gypsum Powder and Gypsum Board range of products and is the pioneer in embarking upon this venture in Pakistan. The manufacturing facility with an area of more than 215,000 square feet with well equipped state of art fully automated Gypsum processing and calcinations production line, Gypsum Board production line having production capacity of 5 million m²/ annum, and Gypsum Ceiling Tiles manufacturing machineries, coupled with concrete resource support and supervision by highly qualified and experienced foreign engineers backed by a well trained and dedicated work force for continuous quality control monitoring.

We specialize in manufacturing and supplying Gypsum based products to the building construction sector, which are being marketed under DFB GYPSUM® brand. Our product range includes Plaster of Paris, Gypsum Board, Gypsum Ceiling Tiles, Ceiling suspension system and Drywall accessories. They are the product of an advanced technology which has attained the much-desired excellence under strict quality control system. We use international quality management system of ISO 9001-2008 to manage our production; this begins with a production process using excellent raw materials combined with latest contemporary technology to provide high quality products that comply with ASTM standards.

Widely recognized from The DFB GYPSUM® brand, DFB Gypsum Industries has gained the confidence and trust from the market due to the consistency and quality of its products and its focus on continuous improvement. It has also managed to make its position in the market among the prominent names of the Gypsum Industry. Moreover our products are being exported to the major parts of the world such as: Afghanistan, India, Nepal, Sri Lanka, Middle East, South Africa & East Africa. DFB GYPSUM has been declared as the winner of "Brands of the Year Award" and also won "The Best Export Performance Award" for 2009.





Vision

Our vision is to build an international reputation through our commitment and excellence on quality products.



Values

We believe in:

- Team Work
- Integrity
- Adaptability
- Respect for individuals



Customer Service

DFB Gypsum Industries core company value is customer service.

“The only kind of action required for success is interaction”

Quality Policy

DFB Gypsum Industries quality policy is to manufacture and supply Gypsum based products to the building construction sector which meets or exceeds their quality expectations.

We are committed to provide high quality product using excellent raw material combined with state of art technology under strict quality control system which complies with relevant international standards. We strive to meet with various requirements of customers from the world over, we have kept ourselves endeavor to product research & development

About Gypsum

Composition

Gypsum is a light-density rock typically found in thick beds or layers, in relative abundance throughout the world. It can form very pretty, and sometimes extremely large, crystals. Gypsum is present in sedimentary rock formations in a crystalline form known as calcium sulfate dehydrate. Sulfates are compounds of one or more metals with oxygen and sulfur. The oxygen and sulfur join together to form the sulfate ion, SO_4^{2-} . Technically, gypsum is hydrous calcium sulfate because it has water in its crystal structure, $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$. In West Pakistan, beds of gypsum along with anhydrite, occur in saline series of salt range, and has the highest natural purity level.

Application

Gypsum products are non-combustible, highly versatile and can be used for various residential and commercial applications. The best known use of gypsum is; it is the source of making Plaster of Paris, other plasters and it is the principal ingredient in the manufacturing of wallboards. It is also used for casting decorative elements and for gauging lime when running moldings. Gypsum is also used in Portland cement to reduce the time setting, and some gypsum is used in agricultural applications. A small amount of very pure gypsum is used in glass making and other specialized industrial applications.

Material Characteristics

Natural Gypsum is one of the most useful minerals, owing to its numerous applaudable qualities, one of them being, that Gypsum is non-toxic to humans. It is also awkward to fire material.

Technical Data of Gypsum Rock of Pakistan

Description		Test Result
Calcium	as Ca	31.95%
Sulphate	as SO_4	56.89%
Calcium Sulphate	as CaSO_4	77.56%
Combined Water		19.62%
Free Moisture		0.020%
Calcium Sulphate Dihydrate(Gypsum)	as $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$	98.09%
Acid Insoluble Matter		1.93%
Silica	as SiO_2	0.93%
Alumina	as Al_2O_3	0.46%
Iron Oxide	as Fe_2O_3	0.210%
Magnesium Oxide	as MgO	0.72%
Moh's Hardness		2.00%

"Guarantee No
Health Hazard"



About Gypsum Board



Composition

Gypsum Board is the generic name for a family of panel-type products consisting of a noncombustible core and it is often called drywall, wallboard, or plasterboard. Gypsum Board is produced through the calcined gypsum which is mixed with water and additives to form slurry which is fed between continuous layers of paper on a board machine. This special extra tough paper makes gypsum board strong and long lasting. As the board moves down a conveyer line, the calcium sulfate re-crystallizes or rehydrates, reverting to its original rock state. It is designed to provide a monolithic surface when joints and fastener heads are covered with a joint treatment system.

Application

Gypsum Board is an interior wall and ceiling lining material. It can effectively adapt to the modern construction design, remarkable aesthetic appeal, quick and economic installation and safety. Gypsum Board takes various forms from paint or textures to vinyl and wallpaper laminates. Its bendable nature makes it ideal for creative shaping of interior surfaces, allowing flexibility in design.

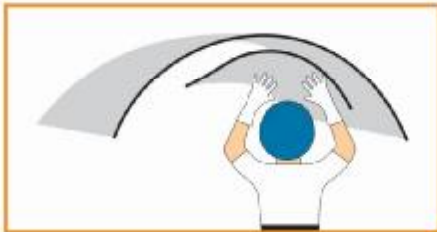
Material Characteristics

Gypsum Board is an advanced technology product, offering architects and interior designer's freedom in developing creative projects. Gypsum panels possess the characteristics of sustainable building materials and can readily be incorporated into environmental friendly development projects. It will make homes safer and more efficient.

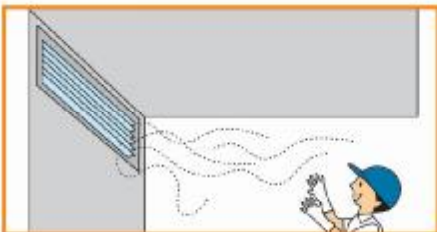
Properties of Gypsum Board



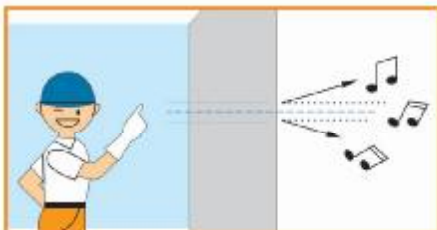
Light Weight: The density of the Gypsum Board is relatively lower than its substitutes. While making Gypsum Board, special adhesives have been added to reduce weight materials. It is 5 times lighter than a brick wall that could help reduce the structure base of the construction.



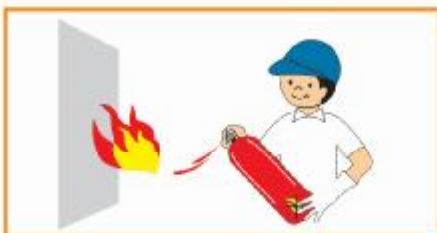
Construction: In the construction application it can be cut, sawed up, drilled and scraped according to the requirements. The plain surface of board further permits the maximum flexibility to create any ceiling shapes. The installed wall surface is smooth, which is convenient for final decoration.



Thermal Resistance: The Gypsum Board transmits low heat and provides insulating property, which could reduce heat generation and energy consumption of air conditioning system. Moreover, the micro fiber insulation can be additionally installed in contact with ceiling to further increase the thermal quality.



Soundproof: The Gypsum Board can be used as sound proofing material. Adopting Gypsum Board itself will not produce a soundproof material, but it can be made to absorb sound with accessory material, which is used in buildings worldwide.



Fireproof: The Gypsum Board is awkward to fire material. The gypsum cores will not burn or support combustion because gypsum is a natural mineral containing water of crystallization. Gypsum Board gives up to 1 to 4 hours of fire-resistance depending on the thickness and the number of layers used.

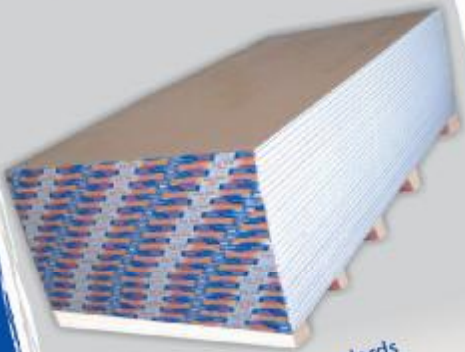


Easy Installation: Gypsum Board can be used as Wall and Ceiling without the need of beam installation. The dry wall system can be quickly installed, leaving no dust to the area. Furthermore, the repair or demolition work can be also simply processed with minimum disturbance to other areas.



• Standard • Foil Backed

GrypBoard®



Comply with ASTM Standards
ASTM C472, C473, C474, D376

The cost effective & the strong alternative of wooden particle boards
for ceilings & partitions
More space efficient, easily drilled for electrical and plumbing.
It is lightweight, flame resistant, quakeproof, and heat resistant.
Can be cut and routed, can be decorated, painted or tiled.
Smooth finish without visible joints.
Can be flexed to fit curved surfaces
Easily installed by nails or screws

go green 
lets be environment friendly!

DFB Gypsum Board is produced through a taxing process of mixing, shaping, solidifying, and cutting, drying, and trimming. This unique production process not only endows the Gypsum Board with numerous qualities such as being lightweight, flame resistant, quakeproof, sound insulation and heat resistance and also gives it a uniquely smooth and beautiful appearance, which is aesthetically appealing

DFB brand GypBoard comes in comprehensive range of high quality boards, utilizing the best materials coupled with precision engineering to match specific customer requirements:



STANDARD

DFB Standard Gypsum Board is an ideal choice for interior walls, partitions and ceilings, which require no special protection from fire or moisture.



FOIL BACKED

DFB Foil Backed Gypsum Board is bonded with the special aluminum foil sheet at the back liner of the board to provide 95% reflection of thermal radiation, allowing comfort temperature level in the area. In Cold climates, this panel forms an effective vapor retarder for walls and ceiling when applied with foil surface next to framing on interior of the exterior wall. Foil backed Gypsum panels provide a water-vapor retarder to help prevent interior moisture from entering wall and ceiling spaces.

Types of Edges:

DFB Gypsum Board comes in two different types of edges, which are designed for particular type of work. Using the suitable type of edge provides better appearance and looks.

Tapered Edge (T.E)



Square Edge (S.E)



Suitable for Ceilings that need smooth level finish and for interior walls, requires jointing. Tapered edges give more space for bedding the joint filler and tape. As a result a seamless fine finish is achieved at joints.

Suitable for Ceilings and interior Walls, requires no jointing.

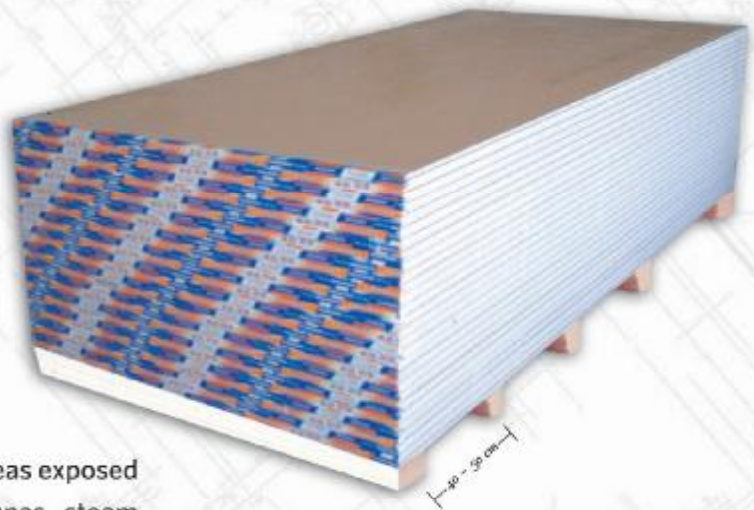


Storage

Gypsum Board should be kept in a cool and dry area. Put support at every 50cm to prevent the board from touching the floor directly. The storeroom should allow ventilation.

Limitation

Gypsum Board is not recommended for use in areas exposed to extreme or continues moisture such as saunas, steam rooms and swimming pool.



Product Specifications

Thickness	Metric Size (mm)	Imperial Size (mm)	Weight (approx.) kg. /sheet	20ft Container Loading
9mm	1200 x 1800	1220 x 1830	14.5	1400 Sheets
12mm	1200 x 1800	1220 x 1830	19	1050 Sheets
9mm	1200 x 2400	1220 x 2440	21	900 Sheets
12mm	1200 x 2400	1220 x 2440	25	680 Sheets
*15mm	1200 x 2400	1220 x 2440	30	580 Sheets

Remarks: * sizes will be available on special orders and should be ordered in advance.

Technical Information of DFB GypBoard 12mm:

Test Item		Value
Moisture Content		3.10%
Compressive Strength	Horizontal	09 lbs
	Vertical	10 lbs
Breaking Strength	Horizontal	80 lbs
	Vertical	93 lbs
Impact Resistance		0.54 lbs
Fire resistance		Incombustibility Grade - 1
Flame Spread Classification		0
Thermal Conductivity		0.188306 w/m °K at 100°C
Weight		158.5 g
Density		0.874 Kgf/mm ³
Humidified Deflection		0.00128 ins
Nail Pull Resistance		41 lbs
Flexural Strength	Horizontal	38 lbs
	Vertical	59 lbs

Tested on ASTM C472, C473, C474 B3763 Semi-Dynamic Method.

Gypsum Board Construction System

Gypsum Board is often called dry wall, wallboard and plasterboard. It has a wide range of applications in both new construction and rehabilitation work. The creativity of the architects and interior designers has resulted Gypsum Board ceilings and partitions in various decorative designs offering cost effective and the strong alternative of wooden particleboards.

Suspended Ceiling System

Features

Gypsum Ceiling system is a suspended steel framing system, clad with Gypsum Boards sheets. The finish surface would be smooth and may receive direct decoration such as painting and pasting of wallpaper. It is mostly used in areas with the modern and innovative designs are required and also are used where the plain ceiling is required. Compared with combustible wooden ceiling, Gypsum Board ceiling provides a safer and fire resistive environment.

Application

All commercial and residential projects, such as: Factories, department's stores, hospitals, office building, houses, restaurants, etc.

Advantages

- 1 The cost effective & the strong alternative of wooden particleboards for designer ceiling.
- 2 More space efficient, easily drilled for electrical and plumbing.
- 3 It is lightweight, flame resistant, quakeproof, and heat resistant.
- 4 Can be cut and routed, can be decorated, painted or tiled
- 5 Smooth finish without visible joints.
- 6 Can be flexed to fit curved surfaces
- 7 Easily installed by nails or screws

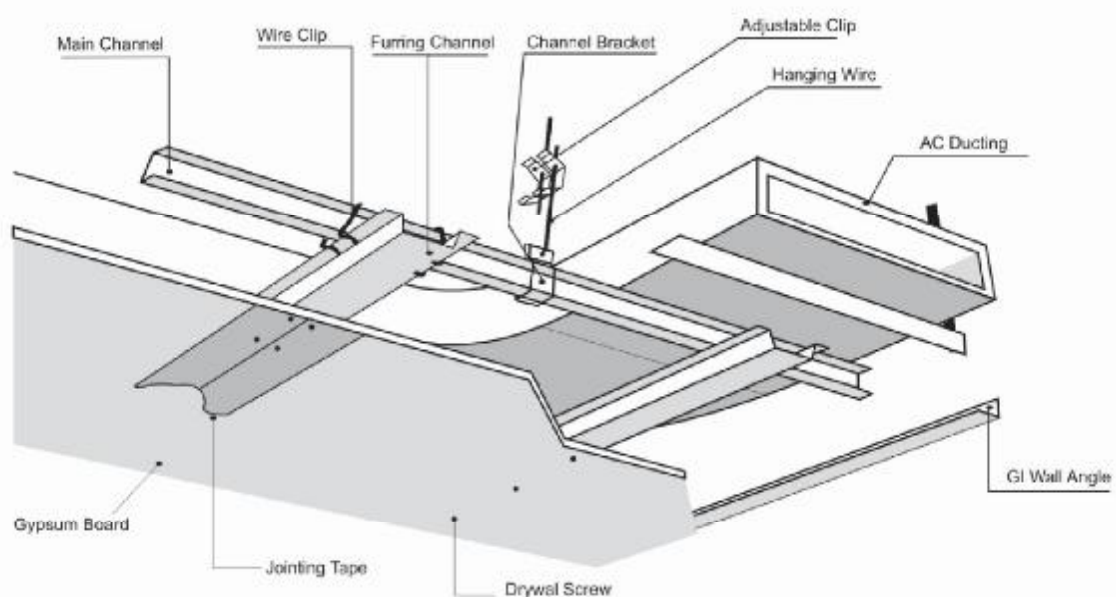
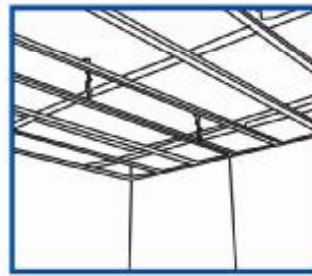
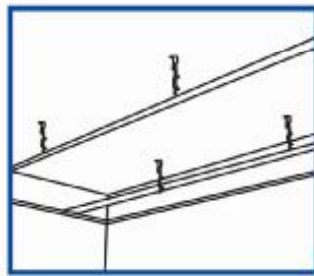
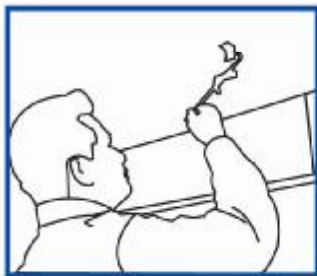


Installation of Suspended Ceiling

This system is most practical and simple type which comprises of a galvanized steel primary support channel, secondary channel and high quality Gypsum Board which provide a smooth finish ceiling without joints.

Steps

- Determine the required ceiling level and mark the position of steel angle.
- Use gunpowder nailing to secure the wire hanger on the ceiling.
- Combine the wire hangers with the channel bracket to suspend the main channel.
- Tie the furring channel to the main channels by the wire coupling clips.
- Screw up the G.I.Angle on the wall.
- Adjust all levels and alignments of the whole concealed system precisely.
- Fix the DFB Gypsum Board with gypsum screw spacing 24cm on the surface of furring channel and G.I.Angle.
- Finish the joint with DFB GypCompound hide the screw heads and allow to set/dry before painting.





Dry Wall Partition System

Features

Dry wall partition system is a good combination of traditional and new building method and it is the fastest way to refurbish existing walls. Dry wall partition system is made of durable galvanized steel, clad with Gypsum Boards sheets. Compared with wooden partition, Gypsum partition can provide a safer and fire resistive wall.

Application

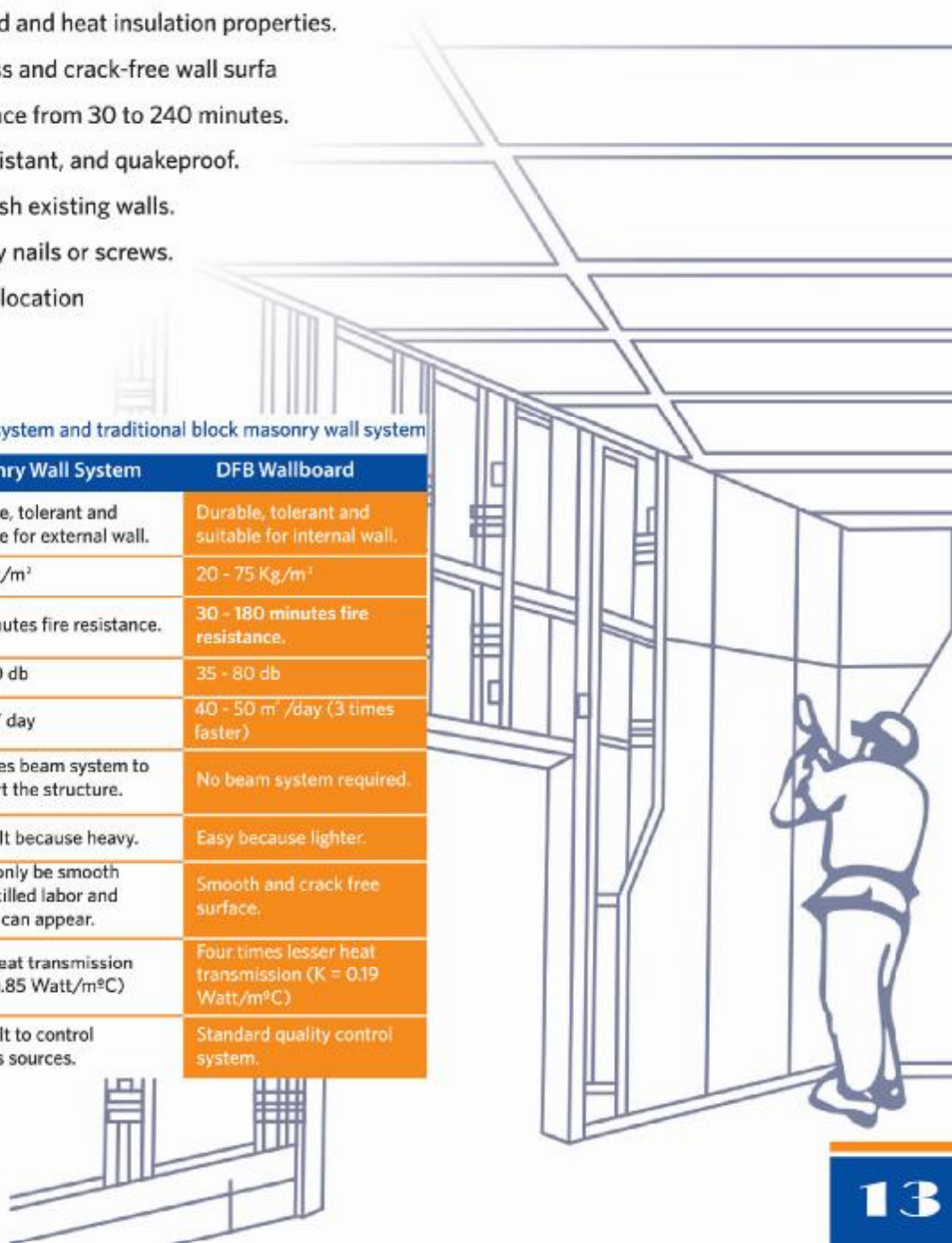
All commercial and residential projects, such as: Studio apartments and offices, factories, department's stores, hospitals, office building, houses, restaurants, etc.

Advantages

- 1 The cost effective & the strong alternative of brick & wooden particleboards for wall partitions.
- 2 Services & electrical cables can be easily accommodated.
- 3 Have good acoustic, sound and heat insulation properties.
- 4 Provides smooth, seamless and crack-free wall surfa
- 5 It can achieve fire resistance from 30 to 240 minutes.
- 6 It is lightweight, flame resistant, and quakeproof.
- 7 The fastest way to refurbish existing walls.
- 8 Easy & quickly installed by nails or screws.
- 9 Can be moved to another location

Comparison of Dry Wall partition system and traditional block masonry wall system

Parameters	Masonry Wall System	DFB Wallboard
Usage	Durable, tolerant and suitable for external wall.	Durable, tolerant and suitable for internal wall.
Weight	180 Kg/m ²	20 - 75 Kg/m ²
Fire Protection	60 minutes fire resistance.	30 - 180 minutes fire resistance.
Acoustic Performance	35 - 40 db	35 - 80 db
Speed of Construction	14 m ² / day	40 - 50 m ² /day (3 times faster)
Flexibility of installation	Requires beam system to support the structure.	No beam system required.
Loading and storage	Difficult because heavy.	Easy because lighter.
Wall surface	It can only be smooth with skilled labor and cracks can appear.	Smooth and crack free surface.
Heat Insulation	High heat transmission (K = 0.85 Watt/m ² C)	Four times lesser heat transmission (K = 0.19 Watt/m ² C)
Quality of Material	Difficult to control various sources.	Standard quality control system.

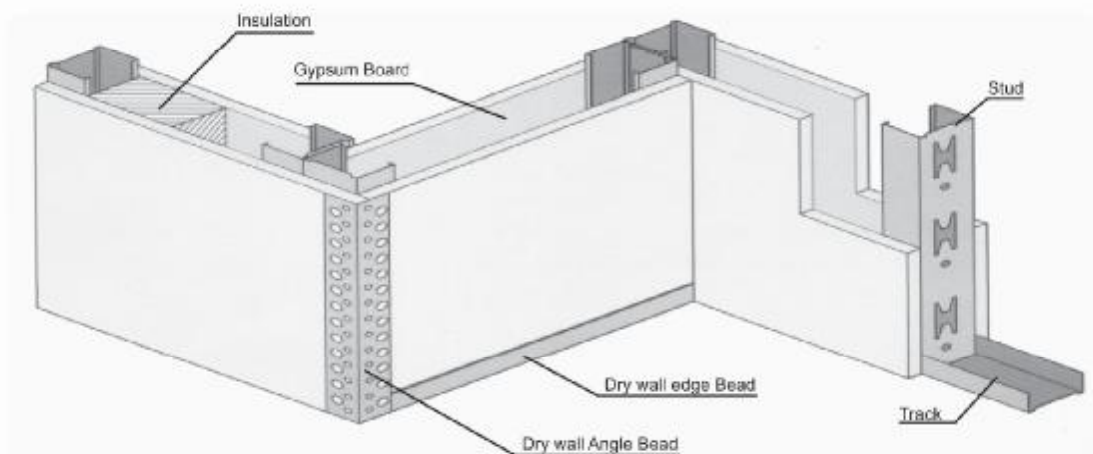


Installation of Dry Wall

This system consists of Gypsum Boards screw fixed to light weight galvanized metal sections and joint finished for smooth level finish.

Steps

- Mark the building position with an inked string.
- Fix U-Track channel along center line of floors and ceiling at 60cm.
- Cut C-Stud into correct dimensions, according to actual height.
- Insert the studs laterally into the track.
- Lift Gypsum Board 10mm over the floor, fix 12mm, TE board on one side.
- Fill in the acoustic and thermal insulations.
- Seal the other side with 12mm DFB T.E Gypsum Board using 25mm drywall screws.
- Finish the joint with DFB GypCompound, hide the screw heads.
- Then stick joint tape on the board, apply second coat of GypCompound, leave it for 24 hours for drying.
- Grind the exposed compound with abrasive paper.
- Ready for Painting or pasting wall papers.



Wall Lining System

Features

Wall lining system is an innovative and the fastest way to refurbish existing walls. It can save a potential amount of fortune as compared to traditional methods. It can be used only as an interior wall lining material which can be installed on concrete or masonry walls, reducing masonry work for speedy installation at low cost with minimum wet work.. Wall lining consists of two systems

Independent metal frame system

The independent framework enables wall lining to be used over all types of back ground, this system consists of fixing light weight galvanized metal frame on the masonry/block walls with Gypsum Board screw fixed and joint finished.

Adhesive dabs system

The system uses the principle of gypsum adhesive dabs to bond Gypsum Boards directly to the masonry walls, giving nice appearance and crack free surface. This system is unsuitable for area subject to continuously damp or humid conditions.

These systems can be used in all types of building in both new build and refurbishment work. It can take various different forms and textures depending on use; it allows easy decoration by either painting or wallpaper.

Application

All commercial and residential projects, such as: Model apartments, department stores, hospitals, office building, houses, restaurants, industrial factories and refurbishment work etc.

Advantages

- 1 The cost effective & the strong alternative of cemented plaster for finished walls.
- 2 Have good acoustic, sound and heat insulation properties.
- 3 Provides smooth, seamless and crack-free wall surfaces.
- 4 Allow faster completion and earlier occupancy
- 5 The fastest way to refurbish existing walls.
- 6 Can be decorated, painted or tiled.
- 7 Easily installed.
- 8 Salt resistance.

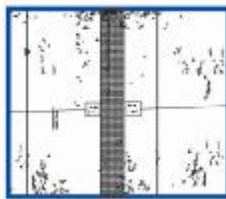


Installation of Wall lining

Wall lining system provides simple and effective techniques for fixing Gypsum Board to brick, block and concrete walls.

Steps Independent metal frame system

- Determine the highest spots on the wall and plumb position to the ceiling and floor. Transfer this dimension to the room corners. Mark all with vertical lines at 1.22m interval.
- Mix drywall adhesive with clean water accordingly.
- Apply a continuous fillet of adhesive to the perimeter of the wall through the vertical lines. From dabs 50mm to 80mm wide and about 250mm long.
- Positions dabs of adhesive in three vertical rows. Apply six dabs a row before placing the first board.
- Position the board, ivory face against the dabs, with the bottom edge resting on a small piece of Gypsum Board.
- Tap the board back firmly using a straightedge until it aligns with the ceiling and floor lines.
- Finish board joints, with joint taping hide screw heads with DFB GypCompound and leave it for 24 hours for drying.
- Grind the exposed compound with abrasive paper.
- Ready for Painting or pasting wall papers.



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MAY IT BE YOUR HOME OR OFFICE WE HAVE
A COMPLETE FAST TRACK AND COST EFFECTIVE
INTERIOR SOLUTION FOR YOU.

Wall System Enhancement

All the Gypsum Board wall systems are able to suspend interior decorative items such as photo frames, wall clocks, or lighting. The suspension is made easily with help from expansion bolts. Electrical and other services are routed through the cutouts provided in the studs. Normally the services to be installed after one side of the frame are boarded. Grommets or isolating strip should be installed in the cut out to prevent abrasion of the cables. Switch boxes/socket outlets can be fixed on brackets formed from the G.I. cold rolled metal sections as per the requirements.

Any heavy material such as bookshelf, cabinet and, Air Conditioners can be installed safely by additional support from metal sections.





Drywall Accessories



GypCompound™



Bucket Size: 5 kg & 2.5 kg

Joint Filler Ready Mixed is a liquid based compound which is specially formulated for finishing Gypsum Board walls and ceilings joints. As a ready mix alternative it can also be used for skimming of entire Gypsum Board surface, to create a high quality glossy and smooth surface look. It is a suitable substrate for synthetic paint, oil paint or wall paper.

Joint Filler Ready mixed is a pre mixed compound which can be applied from the bucket without mixing or using additional water.

Uses: Joint Filler Ready mixed is suitable for commercial, residential and industrial use. In addition, to Gypsum Board, GypCompound™ is also designed to repair and touch up various other kinds of interior surface, both old and new prior to painting.

Specifications

Product	GypCompound™
	JOINT FILLER Ready Mixed
Time Between Coats	12 -24 hours (depends on the Local condition)
Average Consumption	1.75 kg/m ² /mm thickness depending on substrate conditions.
Contained volume	5kgs & 26kgs. Plastic Bucket.
Storage method	Keep in a dry place without high humidity condition and direct exposure to heat or sunlight.
Product's shelf life	Best Before 8 months from manufacturing date.
Standards	Complies with ASTM C475 & ASTM C840

DFB GypScrew™



Fine Thread DFB drywall screws are designed for fixing Gypsum Board to metal studs, screws are threaded along their entire length and are self-threading, which allows them to bite into the plasterboards paper, pulling the board tight up to the underlying support. Special Bugle head with Phillips recess allows the screw to be driven without damaging the board surface and to ensure flush finish. The screws are phosphate-treated and thus provide the necessary corrosion protection.

Mesh Size	9 x 9 mesh/ 65 g/m ²
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Penetration Depth: Ensure a minimum penetration of 10mm into metal framing, through the board.

Specifications

Product	GypScrew™ 25mm GypScrew for Drywall
Material	Carbon Steel
Diameter	Number 6
Recess	Number 2
Thread Type	Fine Thread.
Type	Bugle head, Grey Phosphate, Self drilling tips/ sharp point

DFB GypTape™



self adhesive fiberglass tape is made with a unique cross-fiberglass construction that provides greater to the ceiling and partition joints. GypTape™ Fiberglass Drywall Tape resists shrinking, tearing, stretching and distortion. It also resists joint cracking that can occur when conventional fiberglass mesh tape is used.

Product Use: Fiberglass drywall tape is used for covering the joints between drywall panels. The self-adhesive tape features fast and easy application without the need of a bedding or taping coat of joint compound. It stays flat (no edge curling) and resists stretching and cracking. It can also be used to patch holes and cracks in drywall and plaster interiors.

Specifications

Warp of yarn	33tex x 2
Woof of yarn	100 tex
Mesh size	2.85 mm x 2.85 mm
Average of weight	>65g/m ² range of weight 63- 68g/m ²
Tensile strength	warp: 550 N/50mm
Woof	≤10um
Resin content	26% - 28%
Alkaline resistance properties: after 28 days immersion of 5% NaOH solution, the average retention rate for tensile fracture strength >70% .	

DFB GypBead™



drywall corner bead tape is specially designed for finishing inside and outside drywall corners. GypBead Paper Faced Metal Bead combining steel strength with superior bond of compound to paper, the corners are manufactured with two steel strips attached to a strong paper tape covering that provides excellent adhesion of joint compound, paint, and texture. The corrosion resistant metal provides excellent impact resistance, edge cracking and chipping, delivering corners that stay beautiful despite the stresses of normal building movement and everyday wear-and-tear.

Product Use: GypBead flexible metal is mainly for corner reinforcement it gives straight, strong corners and can also be used on archways, curves and is ideal for non 90°.

GypAccess™



DFB Access panel system offer slim, cost effective solution with maximum architectural sophistication and functionality. GypAccess™ are gypsum based build-in accessories for ceilings. They are planted in various areas of suspended ceilings that require access for constant adjustments, inspections and revisions.

Easy Opening: Just apply pressure to the flap on the spring loaded latch side. The DFB Access Panel Series comes in sturdy aluminum profiles with white powder coated in different sizes:

- 300 x 300mm
- 400 x 400mm
- 600 x 600mm



• Vinyl Touch • Color Touch

GypTile® the sky is yours!



No asbestos or other carcinogenic substance.
Supports a safe and healthy environment for work or living.
Prevents heat penetration and provides effective vapor retardant.
Hard washable surfaces, resists stain and abuse.
Lighter, smoother and more uniform.
Non-combustible, and fire resistance.
Provides good light reflection.
Quick and easy to install.

go green 
lets be environment friendly!

DFB Gypsum Ceiling Tiles are manufactured with an incombustible gypsum core, lined with paper bonded on both sides. It comes in a wide variety of decorative vinyl laminates, which are recognized in providing aesthetic appearance along with the long lasting and low maintenance. It also comes in a variety of pre-painted ceiling panels which are coated with a special paint.

DFB GypTile® can be supplied in: Front Vinyl with Paper Backing, Front Vinyl Laminated with polished Aluminum Foil Backing, Front Painted with Paper backing & Front Painted with polished Aluminum Foil Backing.



Vinyl Decorative GypTile®

DFB Gypsum Ceiling Tiles comes in Superior Quality Vinyl Laminates, available in embossed, plain & printed patterns, which can either match or contrast with the design or layout of any particular area. The vinyl surface requires no further decoration; it is easily cleaned and provides good light reflection.

The vinyl foil are classified as Class "2" in the Flame Spread Test in accordance to British Standard 476 Part 7: 1971



Colored Texture GypTile®

DFB Color Gypsum Ceiling Tiles are pre-painted ceiling panels which are coated with a special paint which has anti-mould growth and anti-yellowing properties. Color Ceiling panel has round semi-perforations in random pattern and is an economical, durable and dimensionally stable ceiling panel.



Foiled Backed Tiles

DFB GypTile with Foil Backing is bonded with the special aluminum foil sheet at the back liner, which prevents heat penetration, provides effective vapor retardant and provides good reflective thermal insulation values respectively. It is ideal for use in top floors of the commercial and residential buildings that are directly affected by heat or sunlight.

Thermal Analysis: ASTM C - 168 (Heat Transfer Coefficient: 0.22 W/m K)

Product Specifications

Thickness	Metric Size (mm)	Imperial Size (mm)	Packing	20ft Container Loading
7.5mm	600 x 600	603 x 603	10pcs / CTN	1150 CTN
8mm	600 x 600	603 x 603	8pcs / CTN	1250 CTN
9mm	600 x 600	603 x 603	8pcs / CTN	1050 CTN
9mm	600 x 1200	600x 1206	6pcs / CTN	708 CTN
* 12mm	600 x 600	603 x 603	6pcs / CTN	1050CTN
* 12mm	600 x 1200	600x 1206	4pcs / CTN	708 CTN

Remarks: * sizes will be available on special orders and should be ordered in advance.

Recommended Edge



Square Edge: Suitable for T-Bar Ceilings, requires no jointing

GYPSUM CEILING TILE CONSTRUCTION SYSTEM

DFB Gyp Ceiling Tiles range provides a wide selection of performed surface designs and textures which allow for the creation of outstandingly beautiful yet practical ceiling.

Grid Ceiling System (T-Bar)

Features

Gypsum Ceiling Tiles system promotes complete design flexibility and installed in exposed T-Bar metal system or similar lay-in-modular grid suspended ceiling system. Grid system ensures the precise and easy installation of ceiling tiles. The Grid system is mobile, thus can be moved to another location if required. This system provides great solutions for the ceiling professionals, and projects that require special designs, colors, textures and gauge. The laminates can be customized according to the specifications

Applications

Ideal for use in executive offices, lobbies, hospitals, hotels, conference rooms, computer labs and restaurants.

Advantages

- 1 The vinyl finish panel's seals out moisture, bacteria, dirt and odors.
- 2 Prevents heat penetration and provides effective vapor retardant
- 3 Hard washable surfaces, resists stain and abuse.
- 4 Lighter, smoother and more uniform
- 5 Non-combustible, fire resistance
- 6 Provides good light reflection.
- 7 Durable and long lasting.
- 8 Quick and easy to install

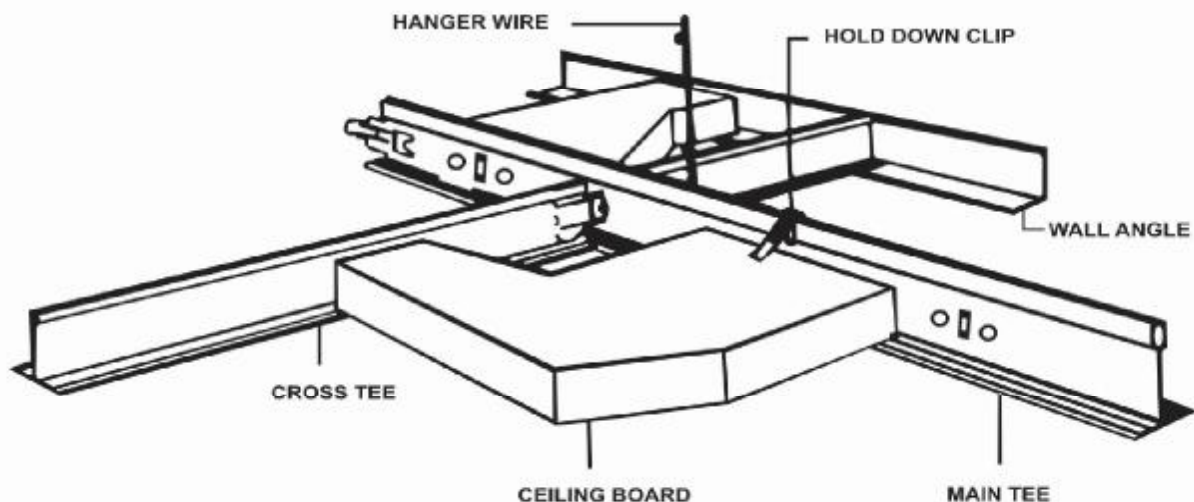


Installation of Grid Ceiling

This system is easy to install, it gives better access for both working and maintenance area. The complete system consists of T-Bar metal system.

Steps

- Determine the required ceiling level, mark the position and fix the wall Angle on the wall. Screws, stub nails or dry fasteners should be used for installation onto wall angles, depending on type of wall.
- The main Tee should be suspended from the overhead structure with gauge 14 galvanized steel wires together with a hanger bracket; the spacing for the main Tee should be 48" or 24" from center to center
- Cross Tee should be inserted into the main Tee slot and locked into position using slight forward pressure.
- Adjust all levels and alignments of the whole grid system precisely,
- Install DFB square-cut GypTile as required.



T-Bar Ceiling Suspension System

lay-in grid suspended ceiling system (T-Bar) is made from high quality galvanized steel section by a Hot-Dip Zinc Coat to prevent from rust. The bottom part of the section is polyester pre-coated with 25 micron thickness which makes the T Bar long lasting and aesthetically appealing. DFB T-Bar comes in 2 types:

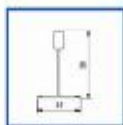
GypGrid™ 38 Series is a galvanized metal exposed grid fixing system for suspended ceilings consisting of interlocking main and cross T's. It has been carefully designed to provide the essential support for the ceiling tiles. It suits for strong and safe applications in public buildings, conference halls and theatres, etc.



GypGrid™ 32 Series is a light weight galvanized metal exposed grid fixing system for suspended ceilings consisting of interlocking main and cross T's. It gives the maximum economy and design simplicity. It is suitable for small offices, shops, etc.



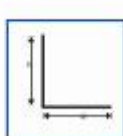
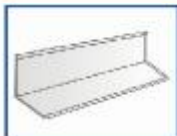
Product Type: T 38 Series Color: White



Main Runner
38mm H x 24mm W x 3660mm L,
Thickness 0.30mm

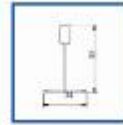


Cross Runner
26mm H x 24mm W x 1220mm L,
Thickness 0.28mm
26mm H x 24mm W x 610mm L,
Thickness 0.28mm

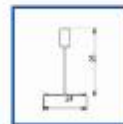


Wall Angle
22mm H x 22mm W x 3050mm L,
Thickness 0.40mm

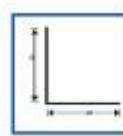
Product Type: T 32 Series Color: White



Main Runner
32mm H x 24mm W x 3660mm L,
Thickness 0.30mm



Cross Runner
26mm H x 24mm W x 1220mm L,
Thickness 0.27mm
26mm H x 24mm W x 610mm L,
Thickness 0.26mm



Wall Angle
22mm H x 22mm W x 3050mm L,
Thickness 0.35mm





• Plaster Of Paris

GypPlaster®



The cost effective & the strong alternative of cement for plastering walls.
 Suitable for making casts for statuary and sculptures.
 No need of sand and cement, completely clean site.
 Provides smooth, seamless & durable surface.
 Excellent external heat insulation property.
 Aesthetic appeal by being whiter in color.
 Reduces echoes and level of noise.
 70% Faster than sand cement.
 Quick and easy to work with.
 Contain 98% purity level.
 Requires less paint.
 Salt resistant.

go green 
 lets be environment friendly!

Plaster of Paris is a fine white powder it is referred to the form of gypsum which has been heated to a high temperature to drive off the water in its crystal structure. Gypsum selection and preparation (cleaning, classifying) are key factors to produce the best plasters of Paris, and the performance of the powder depends a lot on its crystals' sizes and shapes.

GypPlaster® is highly versatile and can be used for various residential and commercial applications such as: internal plastering, making casts for statuary, ceramics, dental plates, fine metal parts for precision instruments, and surgical splints. It is superior material to other alternatives for the internal plastering of all structure, this system replaces sand and cement master.

Special fertilizer grade is also available.

Specifications

Chemical Composition	Calcium Sulphate Hemihydrate $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$
Fineness	4 to 6% only remaining on sieve 200u
Initial Setting Time	From 3 minutes for Speedo plaster to 10 Minutes as per requirement
Final Setting Time	From 12 Minutes for Speedo Plaster to 30 Minutes as per requirement
Compressive strength	Greater than 10.5 MN/m ² or 1525 psi (pure plaster)
Density	1000 kg/m ³
Thermal conductivity	0.22W/m.K (i.e. gypsum plaster's insulation is about 5 times better than cement sand plaster).
Shelf life	6 months for unopened bag left in dry condition
Packaging	In 25 & 40kg Paper and Polypropylene bags

Technical Data of DFB Plaster of Paris

Description		Test Result
Calcium Oxide	as CaO	37.62%
Sulphate	as SO ₃	54.26%
Calcium Sulphate	as CaSO ₄	91.33%
Combined Water		5.25%
Calcium Sulphate Hemihydrate (Plaster of Paris)	as CaSO ₄ ·½H ₂ O	97.37%
Acid Insoluble Matter		0.54%
Silica	as SiO ₂	0.41%
Alumina	as Al ₂ O ₃	0.65%
Iron Oxide	as Fe ₂ O ₃	0.18%
Magnesium Oxide	as MgO	0.85%
Calcium Carbonate	as CaCO ₃	Nil
Loss on Ignition		6.97%
Wet Screen Analysis:		
Residue on US Sieve No. 200		1.36%
Residue on US Sieve No. 300		7.70%



From
homes to major
commercial projects,
buildings can rely on DFB
Gypsum Board Range of products.

DFB guarantees its dry wall partitions,
wall linings and ceiling systems will
provide fully integrated solutions
for structural fire protection,
moisture resistance, sound
insulation or even
aesthetic demands.

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