

**CHANGE YOUR VIEW
ON BUILDING
TIMELINES**

BUILD BETTER FASTER



Build a Better Tomorrow
Gypsum Range of Products

PREMIUM BRAND
PREMIUM QUALITY



ARISH™ Pro Series products are manufactured for life and are designed to achieve optimum performance

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SUPER GREEN SOLUTION

GYPSUM PRODUCTS ARE ENVIRONMENTAL FRIENDLY BUILDING MATERIALS AND CAN BE READILY INCORPORATED INTO SUSTAINABLE DEVELOPMENT PROJECTS



COMPANY PROFILE

Lodhia Gypsum Industries (Pvt) Ltd is the leading manufacturer of high quality Gypsum Plaster and Gypsum Board range of products and the pioneer in introducing Gypsum Wall Plaster in Pakistan, which is supplied to the building construction sector, which are being marketed under Arish® brand.

The most modern production facility with an area of more than 250,000 square feet, equipped with advance state of art fully automated Gypsum processing and Gypsum Plaster production line having 100,000 tons per annum capacity, Gypsum Board production line having production capacity of 6 million m2 per annum , and Gypsum Ceiling Tiles manufacturing machineries, and in-house accredited laboratories enable Lodhia Gypsum to ensure quality products that are readily accepted across the country and worldwide.

The production plant is located in Northern part of Pakistan, Gypsum's mines, located in close proximity to the production plant; contain some of the purest gypsum deposits in Pakistan. Its strategic location will allow the dynamic distribution system via road transportation to its neighboring countries, such as India, Afghanistan, Tajikistan and Eastern part of China.

ARISH PRODUCT RANGE

Arish® product range includes Plaster of Paris, Gypsum Plaster, Gypsum Board, Gypsum Ceiling Tiles, Ceiling suspension system and Drywall accessories. These products are manufactured on 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.

OUR VISION

At LODHIA GYPSUM, we believe the best innovations start with a purpose – a focus on why the innovation is needed and who will benefit from it. Our focus is to deliver innovations that help you work smarter, do more, and **Build Better & Faster**. Through an ever-growing portfolio of groundbreaking products, backed by unparalleled service, we empower our customers to build their business, much the same way you build cities and communities the world over.

This commitment to innovation and focus on you, our customer, is inspired by a desire to enable architects, contractors and workers alike to improve the way we live by changing the way buildings are designed and built.

**“QUALITY IS NEVER AN ACCIDENT.
IT IS THE RESULT OF INTELLIGENT EFFORT.”**



QUALITY CONTROL

Lodhia Gypsum Industries (PVT) Ltd. 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 products using excellent raw materials combined with state of art technology under strict quality control system which complies with relevant international standards.

WHAT IS GYPSUM?

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 dihydrate. 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, $CaSO_4 \cdot 2H_2O$.

PRIMARY USES:

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 Gypsum Boards. It is also used for casting decorative articles and for gauging lime when running moldings.

KEY BENEFIT:

Natural Gypsum is one of the most useful minerals, owing to its numerous applaud able qualities, one of them being, that Gypsum is non-toxic to humans and it is fire resistant.



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 $CaSO_4 \cdot 2H_2O$	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%

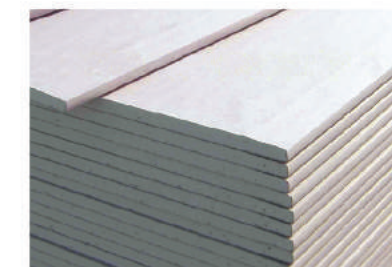
HUMAN FRIENDLY

Natural Gypsum is one of the most useful minerals, owing to its numerous applaud able qualities, one of them being, that Gypsum is non-toxic to humans and it is fire resistant.

GENERAL USES:



Making Plaster of Paris



Gypsum Boards



Decorative Elements

WHAT IS GYPSUM BOARD?

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 consists of a hardened gypsum containing core surfaced with paper or other fibrous material suitable to receive a coating such as paint. It is common to manufacture gypsum board by placing an aqueous core slurry comprised predominantly of calcined gypsum between two sheets of paper thereby forming a sandwich structure. The aqueous gypsum core slurry is allowed to set or harden by rehydration of the calcined gypsum, usually followed by heat treatment in a dryer to remove excess water.

PRIMARY USES:

Gypsum Board is an interior wall and ceiling lining material for all commercial, residential and industrial building projects. It can effectively adapt to the modern construction design; its remarkable aesthetic appeal, quick and economic installation make it very popular in modern construction. 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.



PERFORMANCE DRIVER 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.



Gypsum panels possess the characteristics of sustainable building materials and can readily be incorporated into environmental friendly development projects. It will make construction safer and more efficient.

HIGH PERFORMANCE
GYPSUM BOARD
BY LODHIA GYPSUM

PROBOARDTM

SUSPENDED CEILINGS

| WALL PARTITIONS

| WALL LININGS



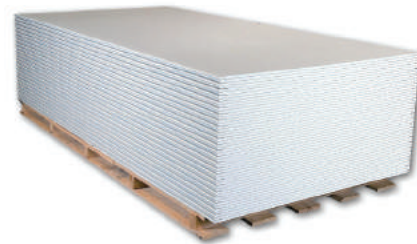
PROBOARD™ Gypsum Board

ARISH™ 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. 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 gives it a uniquely smooth and beautiful appearance, which is aesthetically appealing.

ProBoard™ comes in comprehensive range of high performance boards, utilizing the best materials coupled with precision engineering to match specific customer requirements

Storage:

Gypsum wallboard 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.



PROBOARD TYPES



● Classic

Classic gypsum board is a light weight board is designed for interior walls or ceilings in new residential construction, renovation projects or commercial which require no special protection from fire or moisture.



● FireBloc

FireBloc gypsum board is the preferred product for wall partitions and ceiling which requires special protection from fire. The core has been reinforced with the addition of fibers, increasing its strength and providing fire resistance ratings when used in tested assemblies. In construction today, fire protection remains a primary consideration and we take pride in the reliability and effectiveness of our fire resistant board.



● AquaBloc

AquaBloc gypsum boards is a specially processed panel, which are manufactured using a green face paper added with special water repellent additives encased to withstand the effect of moisture and high humidity. It intended to provide a moisture resistant base for the adhesive application of ceramic or plastic tile and plastic-faced wall panels in limited wet areas, e.g., bathrooms, powder rooms, kitchens, laundry, and utility rooms.

AquaBloc is not to be used in areas with direct exposure to water or continuous high humidity, e.g., shower surrounds, saunas, steam rooms, or indoor swimming pools.



● M-H Bloc


M-HBloc gypsum board is a multipurpose board which is especially design where moisture and heat resistance is required. Classis Gypsum wallboard 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. M-HBloc Gypsum panels provide a water-vapor retarder to help prevent interior moisture from entering wall and ceiling spaces.

*Gypsum Board manufactured by Arish™ contains no asbestos!



















TYPES OF BOARD EDGES

ProBoard™ 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.

 **Square Edge (S.E):** Suitable for Ceilings and interior Walls, requires no jointing.

 **Tapered Edge (T.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.

Board-wise Specifications

KEY	Classic	AquaBloc	FireBloc	M-HBloc
Edge Profile	Classic Board is strong and versatile, it is a cost effective choice for ceiling, lining and partitions with standard performance requirement.	Aqua Bloc Board is suitable for kitchens, bathrooms and other areas prone to high humidity.	Fire Bloc board offers improve fire resistance up to an hour's fire resistance.	M-HBloc Board is a multipurpose board which is especially design where moisture and heat resistance is required.
Board Weight				
Edge Profile				
Thickness & Weights	9mm  12.5mm  15mm 	12.5mm  15mm 	12.5mm  15mm 	9mm  12.5mm  15mm 
Widths available imperial & metric	1220mm	1220mm	1220mm	1220mm
Length Available imperial & metric	1830mm 2440mm 2745mm 3050mm	1830mm 2440mm 2745mm 3050mm	1830mm 2440mm 2745mm 3050mm	1830mm 2440mm 2745mm 3050mm
Thermal Conductivity	0.19 w / mk	0.19 w / mk	0.24 w / mk	0.24 w / mk

● Given weight test results are based on 1220mm x 2440mm board (actual tests may vary)

Technical and Physical Specifications

TEST	TEST STANDARDS	RESULTS
Density	ASTM C 473-12	736 kg/m ³
Tolerance of Length	ASTM C 473-12	0 ~ 4 mm
Tolerance of Width	ASTM C 473-12	0 ~ 3mm
Tolerance of Thickness	ASTM C 473-12	+ 0.5mm
Depth of Tapered	ASTM C 473-12	1.0 ~ 1.7mm
Width of Tapered	ASTM C 473-12	40 ~ 50mm
Flexural Breaking Load	ASTM C 473-12	>640 N Longitudinal direction
		> 240 N - Transverse direction
Nail Pull Resistance	ASTM C 473-12	> 343 N
Humidified Deflection	ASTM C 473-12	< 1.7mm
Thermal Conductivity	C 518 - 10	0.1612 W / (m.K)
Volatile Strontium Sulfide (SrS) Content	ASTM C 471 M-14	< 0.1-pass
Fire Resistance		Incombustibility Grade 1

● Given test results are based on 12.5mm classic board (actual tests may vary)

● Due to continues product development, Lodia Gypsum reserve the right to modify technical specifications.

LIMITATION:

Gypsum board is an interior product; it is not recommended for use in areas exposed to extreme or continues moisture such as saunas, steam rooms, and swimming pool.

GYPSUM BOARD CONSTRUCTION

SUSPENDED CEILING SYSTEM

ProBoard™ Lay-in Suspended Ceilings provides an elegant, yet cost effective solution and aesthetically - pleasing finish.

Suspended ceilings are ideal for concealing unsightly services and/or untidy structural elements in commercial buildings. It is comprised of suspended steel framing system, which 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.

PRIMARY USES:

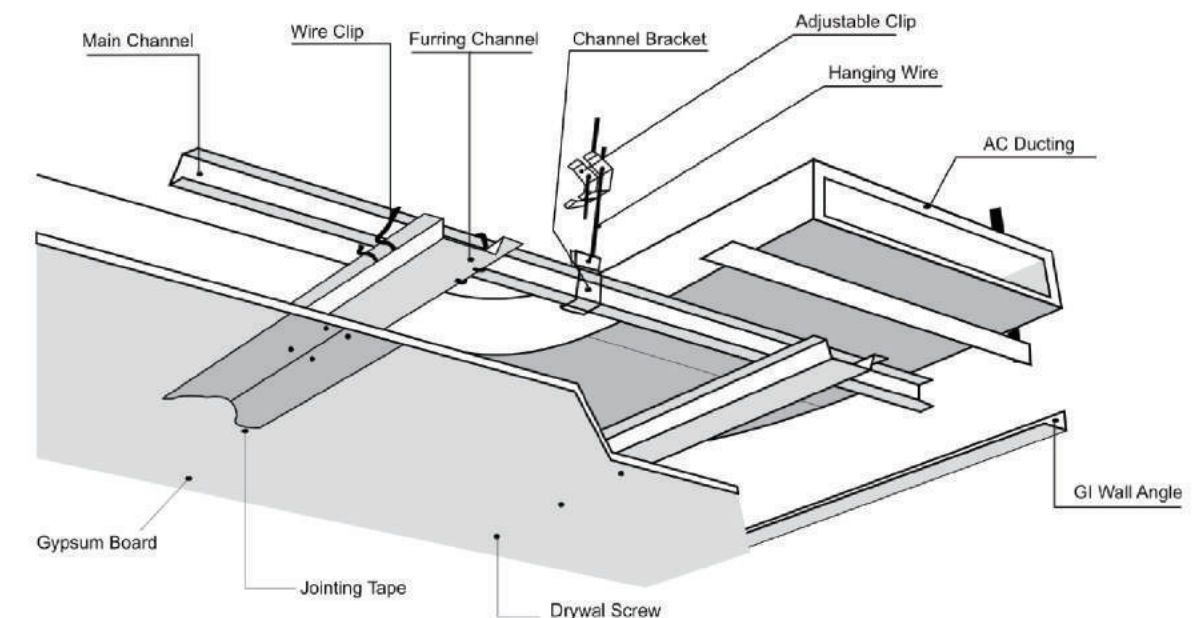
All commercial and residential projects, such as: Factories, departmental stores, hospitals, office building, houses, and restaurants etc.

INSTALLATION OF SUSPENDED CEILING:

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

INSTALLATION 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 ProBoard™ with ProScrew™ spacing 24cm on the surface of furring channel and G.I.Angle.
- Finish the joint with ProFiller™ to hide the screw heads and allow to set/dry before painting.



KEY BENEFITS

- 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
- Easy Installation

DRYWALL PARTITION SYSTEM

ProBoard™ Drywall is a cost-effective, light weight, non-demountable partition system devoid of visible joints when complete.

Drywall partition system is a good combination of traditional and new building method and it is the fastest way to refurbish existing walls. The internal framework comprises standard ridgeback stud and drywall track profiles, manufactured from galvanised steel. Tapered-edge gypsum board is screw-fixed to the studs, allowing for plaster jointing and decoration following installation.

Compared with wooden partitions, Gypsum board partition can provide a safer and fire resistive wall.

PRIMARY USES:

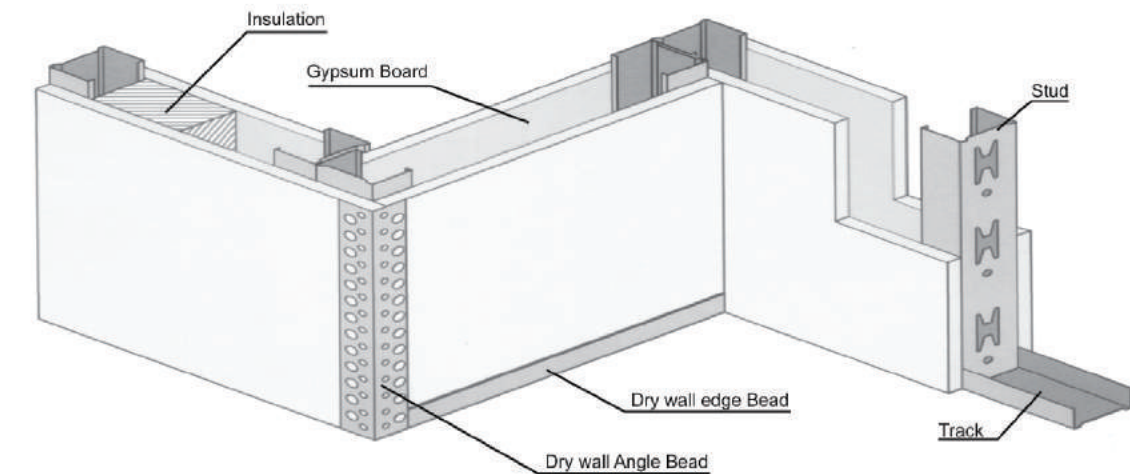
All commercial and residential projects, such as: Houses, studio apartments, offices, factories, departmental stores, hospitals, office building, and restaurants, etc.

Installation of Drywall:

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

INSTALLATION 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 wallboard 10mm over the floor, fix 12mm, TE board on one side.
- Fill in the acoustic and thermal insulations.
- Seal the other side with 12mm Arish™ T.E Gypsum wallboard using 25mm drywall screws.
- Finish the joint with Arish™ ProFiller™ compound to hide the screw heads.
- Then stick joint tape on the board, apply second coat of ProFiller™, leave it for 24 hours for drying.



KEY BENEFITS

- The cost effective solution of brick & wooden particleboards for wall partitions.
- Services & electrical cables can be easily accommodated.
- Have good acoustic, sound and heat insulation properties.
- Provides smooth, seamless and crack-free wall surfaces.
- It can achieve fire resistance from 30 to 120 minutes.
- It is lightweight, flame resistant, and quakeproof.

WALL LINING SYSTEM

ProBoard™ Lyner is a cost-effective, virtually independent metal wall lining system. This system is commonly used where the external wall or substrate is very uneven or out of plumb

Wall lining system is an innovative and the fastest way to refurbish existing walls. 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.

Independent metal frame system 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.

It can take various different forms and textures depending on use; it allows easy decoration by either painting or wallpaper.

PRIMARY USES:

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

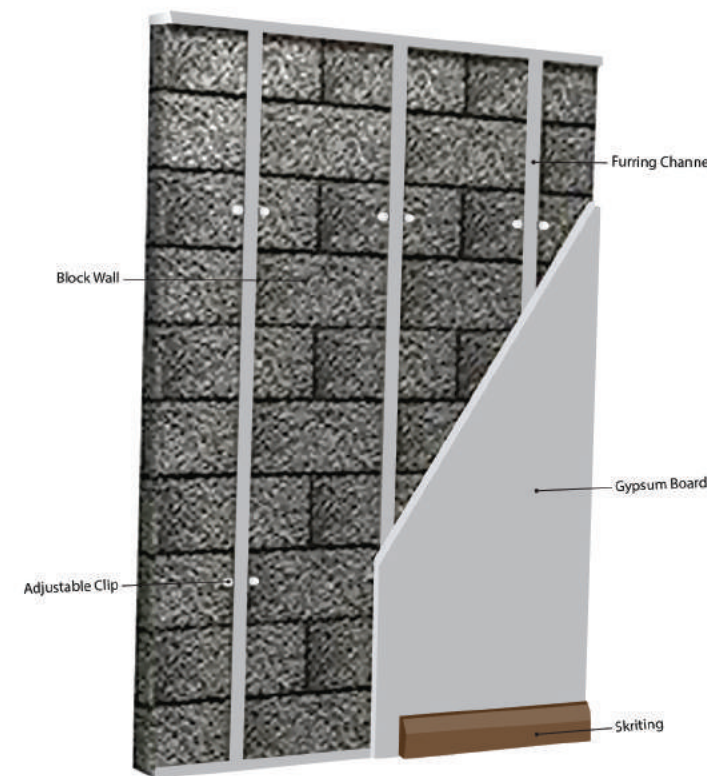


Installation of Wall lining:

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

INDEPENDENT METAL FRAME INSTALLATION 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 ProBoard™ with ProScrew™ spacing 24cm on the surface of furring channel and G.I.Angle.
- Finish the joint with ProFiller™ to hide the screw heads and allow to set/dry before painting.



KEY BENEFIT

- Surface irregularities are accommodated within the framework cavity
- Services are easily incorporated within the framework
- Provides a high performance option to achieve enhanced acoustic performance
- Provides smooth, seamless and crack-free wall surfaces.
- Allows faster completion and earlier occupancy
- Salt resistance

WALL ENHANCEMENT SYSTEM

All the Gypsum board 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.



Lodhia Gypsum's Pro Series Boards, guarantees its dry wall partitions, wall linings and ceiling systems will provide fully integrated solutions for structural fire protection, moisture resistance, and sound insulation.

PROFILLER™

ProFiller™ jointing products have been developed to give you the best results when bedding tapes, corner beads and finishing joints.

ProFiller™ gypsum based Crack Filler comes in Dry-Mix and Ready-mix.

PROFILLER™

Crack Filler Dry-Mix



- Gives Fine And Smooth Finish Surface.
- Easy To Mix And Apply.
- High Crack Resistance.
- Low Shrinkage.
- Excellent Tape Bonding Strength.

PROFILLER™

Crack Filler Ready-Mix



- Gives Fine And Smooth Finish Surface.
- Ready to use.
- High Crack Resistance.
- Low Shrinkage.
- Excellent Tape Bonding Strength.

PROFILLER™ DRY-MIXED

GYPSUM BASED CRACK FILLER FOR GYPSUM BOARDS JOINTS AND BOARD SKIMMING

ProFiller™ Dry-Mix crack filler is powered base compound which is specially formulated plaster to be used for jointing gypsum boards, hiding screw/nail heads, repairing cracks and also can be used for lining surface before final painting. It gives a fine and smooth finish, as well as an easy application and sanding.

ProFiller Dry mix compound requires only clean water to be added to prepare it for use.



PRODUCT SPECIFICATIONS	PROFILLER™ CRACK FILLER DRY-MIX
WORKING TIME	60 minutes (depends on local weather conditions)
WATER RATIO	13 LTR in 20 Kgs bag (650 ML in 1 Kgs)
APPROXIMATE COVERAGE	2.6 Sq.m/ Kg
CONTAINED VOLUME	Paper bag size 20 Kg/ bag
STORAGE METHOD	Keep in an elevated position in dry place without high humidity condition and direct exposure to heat or sunlight.
PRODUCT'S SHELF LIFE	6 Months

PROFILLER™ READY-MIXED

CRACK FILLER READY-MIXED BUCKET FOR SKIMMING & FINISHING JOINTS

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

ProFiller™ Ready mixed is a pre mixed compound which can be applied from the bucket without mixing or using additional water



PRODUCT SPECIFICATIONS	PROFILLER™ CRACK FILLER READY-MIXED
TIME BETWEEN COATS	12 -24 hours (depends on the Local weather condition)
STANDARDS	Complies with ASTM C475 & ASTM C840
AVERAGE CONSUMPTION	1.75 kg/m2 /mm thickness depending on substrate conditions
CONTAINED VOLUME	25 Kg. Plastic Bucket.
PRODUCT'S SHELF LIFE	Best Before 8 months from manufacturing date.
STORAGE METHOD	Keep in a dry place without high humidity condition and direct exposure to heat or sunlight.

PROSCREW™

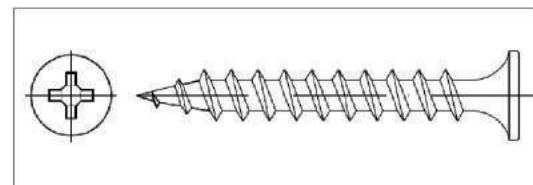
Fine Thread Arish™ drywall screws are designed for fixing Gypsum Board to metal studs. ProScrews are threaded along their entire length and are self-threading, which allows them to bite into the gypsum board paper, pulling the board tight up to the underlying support. Special Bugle head with Phillips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



Penetration Depth: ensure a minimum penetration of **10mm** into metal framing, through the board.



Specifications	ProScrew™
Material	Carbon Steel
Diameter	Number 6
Recess	Number 2
Thread Type	Fine Thread.
Type	Bugle head, Grey Phosphate, Self drilling tips/ sharp point



Fine Thread drywall screw

PROTAPE™

The ultra thin Arish™ fiberglass tape is made with a unique cross-fiberglass construction that provides greater to the ceiling and partition joints. ProTape™ 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.

Product Application:

It is used in various construction applications mainly reinforcing gypsum board joints, wall cracks, board cracks, and repairing drywall joints.



PRODUCT SPECIFICATIONS

Specifications	ProTape™
Mesh Size	9 x 9mesh/ 65 g/m2
Warp Of Yarn	33tex x 2
Woof Of Yarn	100 tex
Mesh Size	2.85 mm x 2.85 mm
Average Of Weight	65g/m2 range of weight63- 68g/m2
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% .

PROBEAD™

Paper Faced Metal Corner bead tape is specially designed for finishing and reinforce inside and outside drywall corner. ProBead™ are manufactured with two steel strips combined with a strong paper tape covering way to reinforce the drywall corners and it is fast and easy to install by using ProFiller, no nails, screws, or any special tools required.

The corrosion resistant metal provides excellent impact resistance, edge cracking and chipping, that stay smooth despite the stresses of normal building movement and everyday wear-and-tear.

Product Use:

ProBead™ is mainly for corner reinforcement it gives straight, strong corners and can also be used on archways, curves and is ideal for non 90°.



PRODUCT SPECIFICATIONS

Specifications	Unit	Data
Weight	g/m	≥55
Thickness	mm	0.30±0.02
Tensile strength	Kn/m	≥4.4
Metal and Paper Peel off data	Kn/m	≥0.3KN
Ash	%	5-7
Water	%	4.5-5.5
Thickness tolerance	Um	≤10um
Steel Strip width	mm	11



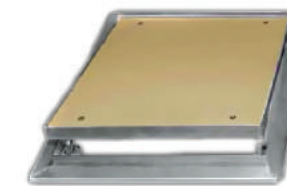
PROACCESS™

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

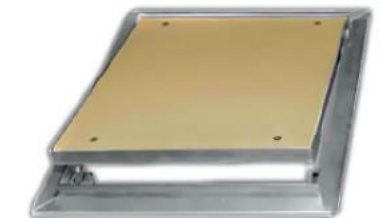
Easy Opening: Just apply pressure to the flap on the spring loaded latch side.

The ProAccess™ Panel Series comes in sturdy aluminum profiles with white powder coated in different sizes:

AVAILABLE SIZES:



400x400 mm



600x600 mm

APPLICATION:

Easy Opening: Just apply pressure to the flap on the spring loaded latch side.

PRO TILE™

Gypsum Ceiling Tiles

Arish™ ProTile™ range of Tiles comes in comprehensive range of high quality Laminated Tiles, and Glass Fiber Reinforced Gypsum (GRG) Tiles which are versatile, strong, light weight and easy to use.

VINYL LAMINATED

Arish™ Gypsum Ceiling Tiles are manufactured with an incombustible gypsum core, lined with paper bonded on both sides. It comes in Superior Quality Vinyl Laminates, available in embossed, plain & printed patterns which are recognized in providing aesthetic appearance along with the long lasting and low maintenance.

ProTiles can be supplied in: Front Vinyl with Paper Backing, Front Vinyl Laminated with polished Aluminum Foil Backing.

FOIL BACKED ProTile™ Vinyl Laminated 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.

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



THERMAL ANALYSIS

ASTM C – 168 (Heat Transfer Coefficient: 0.22 W/m K)

Product Specifications

THICKNESS	METRIC SIZE (mm)	IMPERIAL SIZE (mm)	PACKING
7.5mm	600 x 600	603 x 603	10pcs / CTN
9mm	600 x 600	603 x 603	8pcs / CTN
9mm	600 x 1200	603 x 1206	6pcs / CTN
12mm	600 x 600	603 x 603	6pcs / CTN
12mm	600 x 1200	603 x 1206	4pcs / CTN



GRG

Arish™ Glass Fiber Reinforced Gypsum Ceiling Tiles are manufactured with an incombustible gypsum core, added with glass fiber for strength which also provides excellent sound absorption qualities. They come in variety of plain white and colored patterns, offering a sense of elegance, fine craftsmanship, performance, and affordability.

ProTile GRG Ceiling Tiles are handcrafted by skilled artisans and it exceed all market expectations by providing the ultimate finishing touch in any interior design application. Glass Fiber ceiling tiles are the top performers when it comes to sound absorption and noise control issues; acoustic irritation is reduced to enhance listenability.

NOISE REDUCTION CO-EFFICIENT (NRC)

These high performance acoustic tiles provide a minimum sound absorption of upto 75%

FIRE RESISTANCE

Conforms to Class A Rated by BS476 Part 6 & 7 as tested.

THICKNESS	SIZE (mm)	PACKING
12mm	603 x 603	8pcs / CTN



PROTEE™

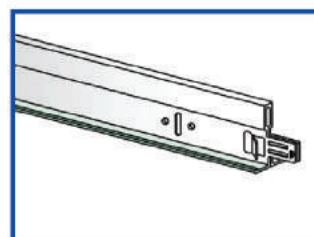
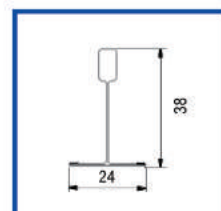
ProTee™ lay-in grid suspended ceiling system is made from high quality galvanized steel section by a Hot-Dip Zinc Coat to prevent from rust. The bottom part of the section is polyester pre-coated with 25 micron thickness which makes the T Bar long lasting and aesthetically appealing.

ProTee™ 38 Series 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.



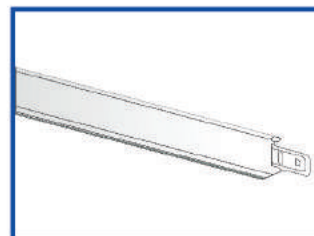
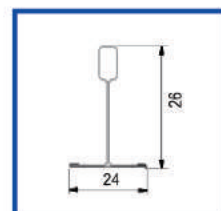
MAIN RUNNER

38mm x 24mm x 3660mm
Thickness 0.28mm



CROSS RUNNER

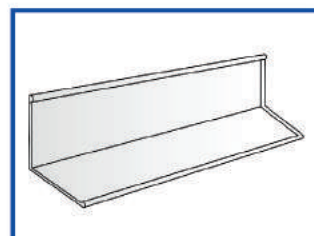
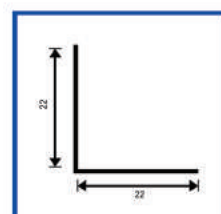
26mm x 24mm x 1220mm
Thickness 0.28mm



26mm x 24mm x 610mm
Thickness 0.26mm

WALL ANGLE

22mm x 22mm x 3050mm
Thickness 0.40mm



WANT TO KNOW WHAT SEPARATES WHAT GREAT INTERIOR FROM THE AVERAGE ?

High – Performance ARISH Gypsum Ceiling Tile & Suspension System

ABOUT GYPSUM PLASTER

Gypsum plaster is processed through the plaster breaking, calcined and grinding aging system. Gypsum rock is mined or quarried and then crushed. The crushed rock is then ground into a fine powder and heated to about 350 degrees F, driving off three fourths of the chemically combined water in a process called calcining. Gypsum selection and preparation (cleaning, classifying) are key factors to produce the best plasters, and the performance of the plaster depends a lot on its crystals' sizes and shapes.

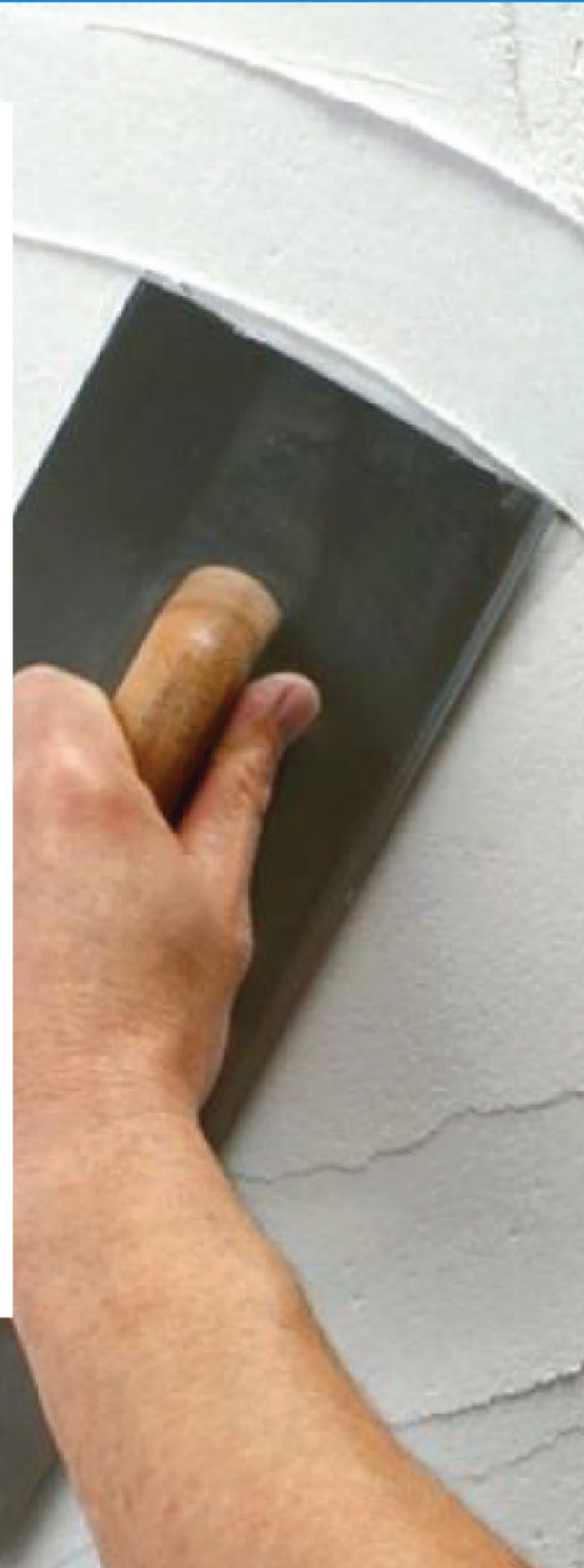
Gypsum Plaster is a material superior to other alternatives for the internal plastering of all structures, this system replaces sand and cement master.

PRIMARY USE:

All commercial and residential buildings such as: Theatres, Hotel, Shopping centres, Industrial factories, and houses. Good for low cost housing too!

KEY BENEFITS:

- CRACK FREE
- TIME SAVING
- NO CURING
- LIGHT WEIGHT
- HIGH STRENGTH
- ENERGY SAVING
- FIRE RESISTANT
- HEAT RESISTANT
- VERMIN RESISTANT
- REQUIRE LESS PUTTI



PROPLASTER™

ProPlaster™ manufactured from the highest quality gypsum. It is designed for any type of interior wall and ceiling surfaces, providing non-combustibility, directly over porous concrete blocks

Arish™, ProPlaster™ is gypsum based plaster suitable for application on most internal backgrounds including brick, block and concrete. It consists of Gypsum Hemihydrate, formulated with special additives to enhance working and setting characteristics. It is specially formulated to replace

a dirty, time consuming and conventional (sand-cement) plastering methods of interior walls which provides smooth, silky white surface ready to receive a decorative finish. It contains light weight aggregates to improve plaster's workability, coverage, application and post usage behavior.

ProPlaster can be applied from 8mm to 25mm thick which can be either machine or hand applied, making ideal for any size of commercial or domestic applications. However, when machine applied it offers excellent productivity and is up to 3 times faster than traditional plastering methods.



KEY FACTS

- One coat Putty application
- No Curing Time required.
- No primer required before painting

PRODUCT SPECIFICATIONS

APPEARANCE:	White Powder
WORKABILITY:	Final setting time before last trowel is 80 minutes
WATER RATIO:	Aprox. 15 Ltr in a bag of 30 kgs
COMPRESSIVE STRENGTH:	Greater than 10.5 MN/m ² or 1525 psi (pure plaster)
DENSITY:	1000 kg/m ³
COVERAGE:	22 – 25 sq/ft bag of 30 kgs
THERMAL CONDUCTIVITY:	0.22W/m.K (i.e. gypsum plaster's insulation is about five times better than cement - sand plaster)
SHELF LIFE	6 months for unopened bag left in dry condition
PACKAGING:	In 30kg polypropylene bags
STORAGE	Avoid direct contact with ground and moisture

GET A PROPLASTER™ SPRAY FINISH YOU'LL BE PROUD OF, IN HALF THE TIME.

IT'S PLASTER, BUT FASTER!

ProPlaster™ Spray Finish is a gypsum finishing plaster. For Use with worm pump spray machines, providing A smooth, high quality finish onto wall surface In a fraction of the time of traditional plastering methods. This improves productivity and enables projects to be handed over earlier.

MIX IT | SPRAY IT | FINISH IT

- High productivity, 300 m², 3230 ft²
- 4 Times faster than current working speed
- 30% saving on Labour cost



German Technology

MP 25 MIXIT
For application of ProPlaster™

PROCASTER

A fine casting plaster also known as 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.

Special fertilizer grade is also available: an increasing amount of gypsum is used in agriculture and horticulture predominantly to improve heavy clay soils. Gypsum is an excellent source of sulfur for plant nutrition and improving crop yield.



PRIMARY USE:

ProCaster™ is highly versatile and can be used for various residential and commercial applications such as: making casts for statuary, ceramics, dental plates, fine metal parts for precision instruments, and surgical splints.



Product Specifications

Specifications	ProCaster™ Plaster of Paris
Chemical Composition	Calcium Sulphate Hemihydrates CaSO ₄ · ½ H ₂ 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).
Shelf Life	6 months for unopened bag left in dry condition.

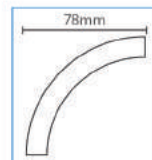
PROCORNICE™ COVE



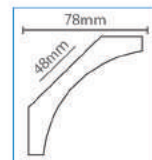
Arish™ new light-weight paper faced cove cornice for Gypsum Board wall/ceiling joints. This functional profile is available with distinctly contoured and defined lines which creates a gentle transition between the wall and ceiling without making a major statement.

ProCove cornice is extremely easy to cut, join and paint with no special tools or fixing equipment required, making it a cost-effective way to create great ambience at home or office. It is available in 78mm profile size with the standard length up to 2.4 meters in two design, Classic and Sydney.

SPECIFICATIONS	DESCRIPTION
SIZE	78MM
LENGTH	2400MM
DESIGN	CLASSIC



SPECIFICATIONS	DESCRIPTION
SIZE	78MM
LENGTH	2400MM
DESIGN	SYDNEY



PROCORNICE™

Arish™ Glass Fiber Reinforced Gypsum Cornices are manufactured with an incombustible gypsum core, added with glass fiber for extra strength. ProCornice are designed to provide an attractive finish at the junction of the wall and ceiling. It can be used on Gypsum Board, fibrous plaster or cement rendered surfaces. Cornice is composed of gypsum plaster glass fiber, and comes in a range of designs.

ProCornice offers a range of cornices that will complement a variety of decors including classic, modern and contemporary interiors. Cornices in the Inspirations range will give your home a new dimension of style and detail.



SAVE ENERGY SAVE TIME DRYWALL SYSTEM PROBOARD BUILD A BETTER TOMORROW

FIRE RESISTANCE **PRO TILE** PREMIUM BRAND EASY TO USE COST EFFECTIVE OPTIMAL PERFORMANCE HIGH PERFORMANCE BOARDS PREMIUM QUALITY CaSO4.2H2O NON TOXIC STRENGTH QUALITY DRYWALL INSULATION

ENVIRONMENTAL FRIENDLY IT'S PLASTER BUT FASTER! PAINT FASTER

PROPLASTER AFFORDABILITY EASY APPLICATION INTERNAL PLASTERING

PEARL WHITENESS FASTER QUICK SOLUTION TIME SAVING INNOVATIVE SPRAY FINISH

HEAT RESISTANT THERMAL INSULATION CRACK FREE

PRO SERIES



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