Blended Natural

TALENT

GYPSUM PLASTER

MAHAKALI CEMENT WORKS PVT. LTD.

GYPSUM PLASTER

Talent Gypsum Plaster : A product of Mahakali Cement Works Pvt. Ltd. is produced from the light powder-density rock sourced from the purest mines. The advantage of our Gypsum is that it is the highest grade of Gypsum being pure white in colour and having a hardness of about 40% more than any other Gypsum Plaster available in the Indian market. This Gypsum plaster can be directly applied on all surfaces, we do not need to sand cement plaster the walls. The coverage in a 25Kg bag is 25 Sq. Ft. with a thickness of 12mm. The Fineness of 250 Mesh and purity over 98% gives the best atomic bond and an absolute mirror finish.

APPLICATION ACROSS INDUSTRIES

Gypsum plaster is used in all types of construction, from residential to commercial projects. Gypsum plaster is also used for making plasterboard, decorative cornices, plaster blocks and Gypsum based self levelling screeds.

GYPSUM PLASTER ONE COAT

The distinguished advantage of the Talent Gypsum Plaster-one coat is that it is made out of the highest grade of Gypsum being pure white in colour and having a hardness of about 40%, which is more than any other Gypsum Plaster available in the Indian market. This Gypsum plaster can be easily applied directly on all surfaces, we do not need to sand,cement and plaster the walls. The coverage in a 25Kg bag is 25 Sq. Ft. with a thickness of 12mm. The fineness of 250 mesh and purity of over 98% gives the best atomic bond and an absolute mirror finish.

TECHNICAL SPECIFICATIONS

Purity (Whiteness)	98%
Fineness	Mesh 250, Residue 3%
Setting Time - Initial -Final	15-18 min. 24-30 min.
Bending Strength (Dry)	50 Kg / Cm^2
Compressive Strength (Dry)	133 Kg / Cm^2
Dry Bulk Density	750 Kg / m^3
Coverage at 12mm thickness (25 Kg bag)	20 Sq. ft.

Laying plaster - where?

Gypsum can be placed only inside the house. They are suitable for all substrates, provided they have sufficient capacity. Many people are probably asking themselves the question whether the plaster can be laid in the bathroom. Thus, if the humidity does not exceed 70% there and will not keep still. Gypsum plaster absorbs moisture, but also gives it quickly when the air gets drier. Therefore acts as a buffer. Gypsum should not, however, be used in places where they are constantly exposed to mechanical damage - in garages, workshops, etc. There should rely on a less visually attractive, but more durable cement plaster - lime.

Builders and contractors prefer gypsum plaster due to its superior finish and time saving attributes.

In recent years, the construction sector has witnessed a number of new trends, technology advancements and innovations across applications, all aimed at making construction faster and delivering higher performance. However, very few would have imagined that the substitute for the generations old method of sand cement surface plastering will be an even older method of plastering i.e. gypsum plastering. Gypsum has proved to be a miraculous material aiding interior construction. Gypsum surface plaster is one form that has caught the attention on the sector and is growing in popularity. The oldest example of usage of gypsum as an internal plaster is found in the Pyramids of Giza in Egypt which were lined with gypsum stucco plaster centuries ago and are still intact, which is proof of the durability & performance of this product.

What is Gypsum?

Gypsum is a light weight material which is formed as the result of evaporating sea water in massive prehistoric basins. In terms of its chemical composition, it is Calcium Sulphate Di-hydrate ($CaSO_4.2H_2O$) and inherently contains 21% water by molecular weight. Gypsum products have been used for centuries in the construction space and are the material of choice because of gypsum's unique properties. It has excellent insulation properties both thermal and acoustic and can offer very good passive fire protection, moisture resistance, impact resistance and vapour control when used in combination with the right systems.

What is Gypsum Plaster?

When a wall is constructed with brick or block, they are finished with a coat of plaster which is called internal plastering. Internal plastering has traditionally been done through a process of sand-cement plastering finished with POP pruning. This is a two stage process and involves multiple elements like sand, cement and water which is mixed onsite. This form of plastering is being slowly replaced by a direct single coat application of gypsum plaster. So gypsum plaster is actually a replacement of two processes i.e. sand cement plastering & POP punning. Gypsum plaster is produced as a result of calcinations of the raw gypsum in an automatic kettle under controlled temperature.

Comparition between Talent Gypsum Plaster & Normal Cement Plasters

Traditional Sand-Cement Plaster	Talent Gypsum Plaster	Advantages
Continuous monitoring required while making	No continuous monitoring required as it is premixed	Talent Gypsum being pre mixed plaster gives continuous finish on walls
Pre & Post curing in required on walls	No curing required	It saves time & wastage of water also
After traditional plaster due to rough finish POP finish is required	No POP finish is required	No additional cost of POP finish & thus saves time & money
Reflects sound & does not control humidity	Absorbs sound & controls humidity	Makes wall more soundproof
High percentage of wastage during application	Nominal wastage during application	Less amount of raw material wastage
Non Resistant to shrinkage cracks	Resistant to shrinkage cracks	Talent Gypsum gives cracks free walls

Advantages :

1. Green material
2. Shrinkage crack free surfaces – smooth finish
3. High productivity – faster work (Reducing plastering time by 70% when compared to conventional Sand cement plaster + POP method) so time saving
4. Performance – Durability, light weight (Reduces dead load on structure)
5. Cleaner sites – direct application bagged product – requires no water curing
6. Sound Absorbent - Talent gypsum plaster is having unique acoustical properties of absorbing airborne sounds and it is a leading material used for sound absorbent properties.
7. Anti-fungus & termite free - Talent gypsum plasterdoes not allow any fungus or termite to mould growth inside walls & hence very much recommended for Hospitals & Clinics
8. Fire Resisting - Talent gypsum plaster is non-combustible & in event of fire, it will act as a barrier and will protect the RCC structure etc.
9. Bonding Properties - Talent gypsum plaster is having good adhesive & bonding properties & it can be appllied on any walls like RCC ceiling, Clay bricks, AAC, Solid & hollow concrete blocks.

Benefits to the end customer :

1. No shrinkage cracks on walls and ceilings.
2. Reduction in the time required for plastering and this helps in timely possession of homes.
3. Perfectly lined, leveled, smooth walls.
4. Saving on electricity used for air conditioning as gypsum has very low thermal conductivity.

In the last few years, gypsum plaster has become the solution of choice for all leading builders especially in Mumbai and Pune and is now starting to catch on with developers in other cities like Bengaluru, Hyderabad, Chennai and Delhi.

Many builders such as Lodha, Hiranandani, K Raheja, Magarpatta, Oberoi, Rohan, HCC, Rustomjee to name a few have adopted this method of plastering for a majority of their projects for its sheer convenience over traditional plastering and aesthetic appeal.

MAHAKALI CEMENT WORKS PVT. LTD.

Regd. Office : B-79, Amit Nagar Society, VIP Road, Vadodara. Pin 390-022.
Address Works : Village Lasundra, Talika Savli, District Vadodara Pin .391-775.
Mobile : 99090-22327, 91676-84763 and 81402-34718.
EMAIL : srivastavaumang@gmail.com, umang@mahakalicement.com, mktg@mahakalicement.com, vsuresh123@gmail.com
Website:www.mahakalicement.com.