



TMC PLASTERS

Product Catalogue

Member of:



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INTRODUCTION

The construction technologies across India are at the landmark of unique growth. Faster and sustainable construction is demanded today.

Development of Construction Practices

Red Bricks



Blocks



RCC



An intense urge to alter the conventional methods and use of technologically certified materials are insisted. sand mining keeps ecology at stake leading to the scarcity of water and in absence of raw materials become the major challenges in construction. The construction industries are seeking alternative praxis.

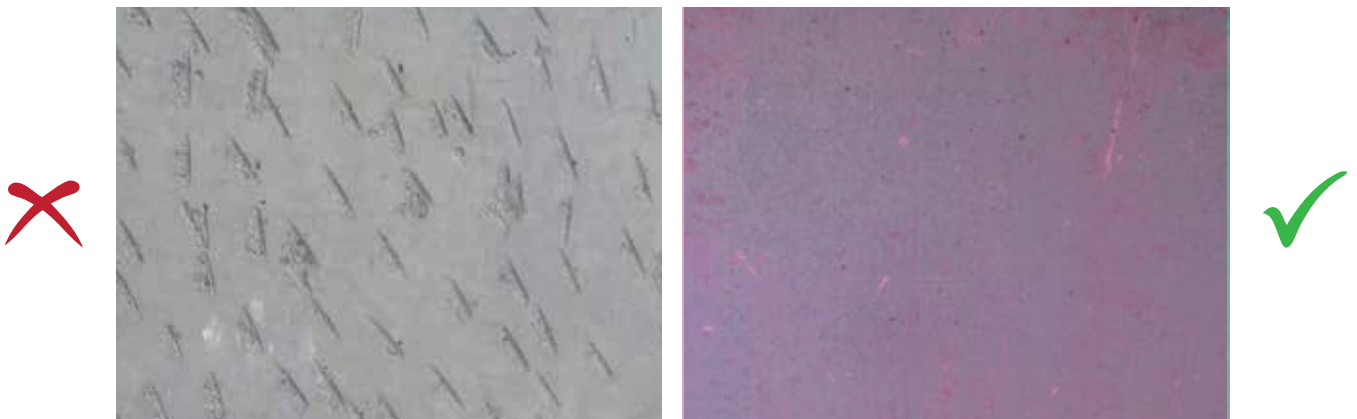
TMC Gypsum India Limited examines the issues and guarantees worthy solution with our various products.

SETTING OF RCC SURFACE FOR PLASTERING

The traditional method of preparing the RCC is to hack the surface. Hacking is essential to make the surface rough which renders mechanical key for the plaster that has to be given on the top.

The availability of workforce for hacking is a problem. Even after solving this issue, creating roughness is raising challenges for the following reasons,

1. The plaster loses grip as RCC gets smoother due to the increasing hardness grades.
2. Usage of fly ash and micro silica gel bring down the porosity of concrete and it causes the loss of plaster grip.
3. Hacking gets complex in cycle time reduction and increased RCC area in case of aluminum shuttering projects.



Also, any mould release on concrete surfaces has to be properly cleaned.

When plastering is left to be done only after a few months, the possibility of debonding after hacking is high.

TMC Gypsum plasters are free from all these uncertainties. Therefore we recommend the usage of TMC gypsum plasters.



TMC Gypcoat brings a strong chemical bond with its unique single product formulation feature. It eliminates the complete process and risk of surface preparation. A strong bonding between plaster and substrate surface is secured with TMC Gypcoat.

Our Uniqueness

- Dual bonding – Chemical as well as mechanical grip
- L-Pink in colour, makes it easy to identify applied area
- Ready to apply single coat brush application
- Can be applied on any low suction surface (concrete surfaces like RCC columns, beams, slabs, shear walls)
- Works equally well as bonding agent for gypsum as well as sand cement plaster

Parameters	Units	Range/Value
Drying time	Days	1
Open time for plastering	Days	2 to 10
Coverage	m ² /Kg	5
Ambient temp requirement	°C	5 to 45
Pull out strength (failure load)	KN	4 (failure in Gypsum)

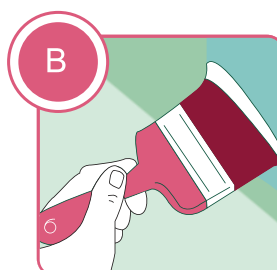
Advantages

- Guarantees strong and durable bonding
- Application is ten folds faster than hacking.
- Smooth and easy single coat brush application.
- No glueyness needed for plaster coating.
- Unique L-Pink color offers comfortable and easy supervision

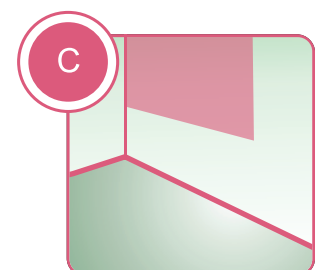
Three Easy Steps to Use TMC Gypcoat



Step 1: Stir well the content



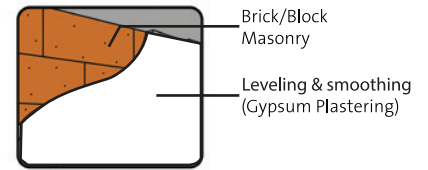
Step 2: Apply with paint brush



Step 3: Surface will be ready for plastering after 24 hours.

INTERNAL LINING OF WALLS

Both leveling and smoothing will be sustained by TMC plastering products.

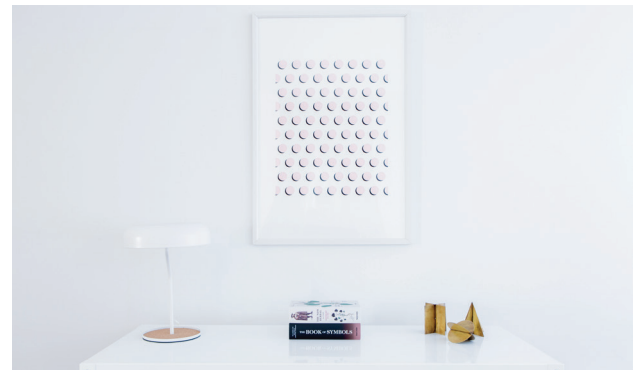


LEVELING

It is significant to understand that when gypsum plaster is used for leveling:
Inner plaster is a decorative material, not a structural material



We convert this



To this

Concept of gypsum plastering is not a newfangled thought. Years ago the inner lining of Pyramids in Giza were lined with gypsum and they still withstand time. This proves the credibility and durability of Gypsum as an inner lining material. Gypsum is the perfect and sole alternative to conventional and cement based plasters and putties.

Comparison between TMC Plasters, S/C Plasters, Local POP & Imported Gypsum

	TMC Plasters	S/C Plasters
Ingredients	Factory mixed powder & water	Sand, cement, water
Availability	Ready to use bags	Sand and water availability is a big issue
Labour	Labour friendly process	Labour intensive process
Water Saving	Does not require water curing	At least 7 days of water curing
Shrinkage cracks	No	Yes
Density	Lighter	Heavier
Quality Assurance	Yes (As Per IS-2547 (Part II) - 1976)	No
Green Credentials	LEED points available	Not Applicable
	TMC Plasters	Local POP/Imported Gypsum
Wastage	Very low because of higher setting time	Sets very quickly leading to on-site wastage of more than 30%
Productivity	Higher productivity, Do your work 20% faster	Lower productivity
Certified Material	Get material test certificate with every batch	No product certification provided



NO HAND
BURNS

TMC
Wall 100
STUCCO - GYPSUM POWDER



Our Uniqueness

TMC Wall100 is the ideal choice for remodeling and repair works. TMC Wall100 delivers beautiful and quality cornices and decorations. TMC Wall100 gypsum powder is excellent for the creation of refined textures and smooth surfaces that are free of crack and chip. TMC Wall100 gypsum powder creates healthy and aesthetic indoor ambiance.

Water / plaster ratio	:	70-75%
Initial Setting Time	:	7-12 min
Flexural Strength	:	up to 3 N/mm ²
Density	:	900 kg/m ³
Packaging	:	25 kg

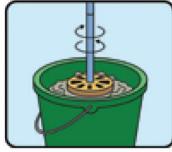
Advantages

- 2 times faster than conventional sand cement plaster
- No shrinkage cracks
- Saves precious potable quality water as no water curing is required
- No fine river sand requirement for plastering
- Keeps rooms cooler saving energy cost for building occupiers
- Reduction in structural loads on the building (50% lighter than conventional sand cement plaster)
- LEED points benefit for green building construction

9 EASY STEPS TO USE TMC GYPSUM PLASTERS



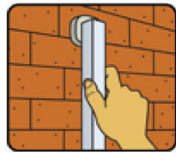
1. Add the powder in water (not vice versa) as per the ratio referred on the bag.



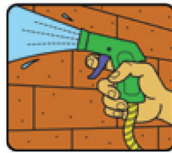
2. Mix well until it turns to a lump free smooth paste.



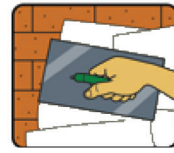
3. Keep a bull mark to mark at every 4 ft to assure the vertical level.



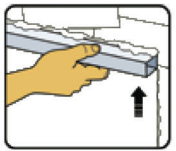
4. Fill up the gap with TMC plaster by placing aluminum box plate (bottom patti) on bull marks.



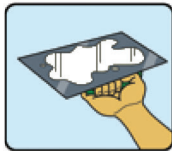
5. Keep the background prewet.



6. Use a towel and apply the fresh material paste on wall.



7. Level the material paste on wall with the aid of an aluminum box plate.



8. To get a smooth finishing, blend thin slurry and apply on the leveled surface using a trowel.



9. Finished wall.

 **TMC**
Gypsum

Perfect than never before.



NO HAND
BURNS

TMC
Gypsum **Ultra200**



Recommended
for use directly
on wall.

Our Uniqueness

Master of all plaster, TMC Ultra200 is the one coat gypsum-based plaster that provides exceptional coverage and delivers premium white finishing. Designed to be applied by hand up to 15mm thickness, TMC Ultra200 is formulated with natural and pure materials and enhanced with advanced polymers that ensures superb finishing, low waste and a pleasant healthy indoor atmosphere.

Water / plaster ratio	:	60-70%
Initial Setting Time	:	10-15 min
Density	:	900 kg/m ³

Advantages

- 2 times faster than conventional sand cement plaster
- No shrinkage cracks
- Saves precious potable quality water as no water curing is required
- No fine river sand requirement for plastering
- Keeps rooms cooler saving energy cost for building occupiers
- Reduction in structural loads on the building
(50% lighter than conventional sand cement plaster)
- LEED points benefit for green building construction

Green building renders a sustainable eco friendly building environment. Sustainable materials are used to assure the health and comfort of building occupants. Contribution of TMC products to the Green Building rating system (LEED) as specified by the Indian Green Building Council. The followings are the bona fides of TMC products.

LEED : Leadership in Energy and Environmental Design

Main Highlights

- Energy & Atmosphere : High insulating properties, Low embodied energy
- Material Resources : Reduces environmental impact due to local transportation, high recycled content
- Indoor Environmental Quality : Improves indoor environment air quality
- Water Efficiency : No water curing requirement.

Energy & Atmosphere : Low embodied energy, High insulation properties

Embodied energy

Gypsum plasters have relatively low embodied energy as compared to all other traditional building materials (Energy consumed in manufacturing the same) High insulation properties Energy savings - ASHRAE STD 90.1/2010.

Thermal Conductivity (K value of Plasters) = 0.16 W/Mk

Materials & Resources : Recyclable products, Regional materials

Recyclable products

Gypsum plasters are technically 100% recyclable.

Regional materials

With manufacturing facilities located close to the major construction hubs of the country, most cities in North, West & South of India fall under the 800 kms maximum radius of transportation. Also the raw materials for manufacturing the various products are also in most cases procured locally within a radius of 800 kms from both the manufacturing and project site thus optimizing the negative environmental impact related to transportation.

Indoor Environmental Quality :

Low emitting materials

Gypsum based products are made from non toxic materials and all chemicals & binders used are natural and eco friendly.

Water Efficiency :No water curing requirement

Gypsum plasters usage for walls & ceilings helps water conservation by eliminating water curing requirement of traditional plastering methods.

Member of:



EXECUTION SUPPORT

TMC strives to partner with our customer to guarantee the advantages of gypsum plastering accrue to them. Providing appropriate training and the usage of right tools and techniques are implemented at TMC to ensure the execution of right products.

Latest tools & technologies :

TMC give support in sourcing latest technical tools. We also provide efficient training to the contractors on how to use these tools. The usage of these tools will be extensively beneficial to POP applicators, plastering contractors and developers as well, due to their diverse advantages over the conventional methods.

Benefits:

- Better productivity
- Faster work on site
- Better finish

Site management support:

We provide site management support in terms of

- Recommendations of list of trained contractors
- On-site training (Plastershaala) to contractors
- Quality checks and audit reports by our technical managers
- Presentation to site teams of developers on better execution (plastering do's & don'ts, quality checks)

Benefits:

- Mobilization of right resources to execute your job
- Empowering the applicators to do a better job
- Informing the projects / QC teams on better execution practices



The TMC holdings group founded in 1992, is one of the best industrial groups and building materials. It operates in four core sectors-Building Distribution, Innovative Materials, Packaging and Construction Products. TMC holdings operate in over 10 countries worldwide and fields a workforce in excess of 500. TMC holdings is a worldwide leader in each of its competencies. The future strategy of TMC holdings is focused on attaining "worldwide leadership in construction markets, offering innovative solutions to meet the fundamental global challenges of growth, energy and environment".

TMC Gypsum business of TMC holdings is a market leader in the interior construction space in India for the last 5 years. The ever expanding product range includes gypsum plasterboard systems for false ceiling & drywall applications, ceiling tiles (gypsum, mineral fiber tiles, glass wool and metal) for grid ceiling applications, specialized cement Fiber boards, gypsum plasters for internal wall finishes plus a complete range of accessory products.

The entire gypsum plaster board, ceiling tiles and gypsum plaster range of products are approved by CII-IGBC for consideration



- Kochi
- Chennai
- Bangalore
- Mangalore
- Hyderabad
- Pune

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Available at
amazon

