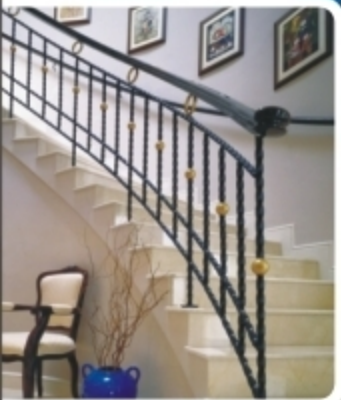


*We Give You Better than the Best!*



**SUPREME GYPSUM PVT. LTD.**  
MANUFACTURERS OF QUALITY GYPSUM PLASTER



## *Our Profile...*

The Company **Supreme Gypsum**, has been promoted by experienced technocrats & managed by qualified & innovative Professionals committed to highest standards of corporate governance. The company manufactures, world-class user friendly products. Its product range offerings are innovative: environmental friendly & based upon time saving concepts.

The company offers '**Ready-to-use Interior Plaster concept**, to provide complete care to internal walls/solid back-grounds. The company is committed to its prime objective of total customer satisfaction, supplying world-class quality products/services at most competitive prices, to say **best value for money**.

The entire product range has been specially formulated to suit Indian climatic as well as site working conditions. These products have lower density for higher coverage & superior purity to provide much better surface finish, good strength & strong bonding. After conducting field trials & satisfactory tests conducted as per relevant standards, these are now being introduced in the market.

## Single Coat Supreme & Single Coat Premium, Single substitute for sand cement + Plaster of Paris

**Single Coat** products are specially formulated gypsum plaster, which can be hand applied over any normal walls/solid backgrounds, in single application in normal thickness. Good surface finish & good impact strength are its unique properties. Single Coat Supreme is a calcium sulphate hemi hydrate gypsum plaster with additives including light weight aggregate. It attains early strength & does not suffer from inherent shrinkage cracks. It sets hard in a matter of hours & attains maximum strength & bonding on drying.

Two varieties are available as **Single Coat (Supreme)** and **Single Coat (Premium)**. These are recommended to be used depending upon the type of background. These are specially formulated to suit Indian climatic / site working conditions. The in built unique properties are, :-

- **Low Density Higher Coverage** : Its density is low to provide better coverage maintaining its all in built properties. The coverage of Single Coat (Supreme) is app.62 m<sup>2</sup>/(metric ton) in normal 12 mm thickness, whereas the coverage of Single Coat (Premium) is app, 65 m<sup>2</sup>/(metric ton).
- **Gradual Setting With No Shrinkage Cracks** : Once plaster attains strength, it does not suffer from inherent shrinkage cracks. The setting time of plaster is app. 10-15 minutes, after mixing with water. The setting progresses evenly & gradually until the surface is hard enough to receive a final stroke of trowel, at app 20-25 minutes.
- **No Water Curing Required** : Plaster does not require any water curing after the application, thus saves time, water consumption & manpower. This helps to complete project faster.
- **Strong Bonding & Good Strength** : It sets hard in a matter of hours, to ensure continuity of work. Also it attains maximum strength on drying. After it is completely dry, it also attains strong bonding with most solid backgrounds.
- **Easy Workability** : It has been formulated for easy to mix, to be spread & applied by normal POP workers by normal hand application prevailing practice, in trade.
- **Thickness** : The thickness of plaster is recommended to be 12 mm of uneven background but should not exceed 10 mm on level & even background. If thickness is more than 13 mm, it should be applied in two subsequent applications.
- **In Built Properties** : Plaster is non-combustible having very low thermal conductivity (k-value). Thus lends good thermal insulation to walls / surface.





## Application :

- The wall is marked with level strips, vertically at 1200 mm centers, then check the straight edge or line by using aluminum square tube. The high spots on walls are identified and minimum level in 6 mm thickness is marked to control the thickness of Plaster.
- The background should be suitably wetted 10 minutes prior to plastering, to displace trapped air & to facilitate that the plaster has good contact & bonding with background.
- Plaster wet mix is prepared by mixing powder with clean water, to have workable consistency. The wet mix is then applied on rigid surface by using trowel, in required thickness, as per level strips fixed as reference guideline.
- The best results are obtained by applying light coat with firm pressure while using trowel.
- The entire surface of the wall is plastered in line & level, As the plaster stiffens progressively, flatter & finishing should be carried out.
- When the plaster is sufficiently formed, the surface should be finished with sponge coat with light application of water. The finishing is finally done with slurry coat, and by using trowel to have final smooth finish surface.



## Surface Finishing Plaster - Silky Smooth Surface Finishing Plaster

**Surface Finishing Plaster** is specially formulated plaster for thin surface finishing coat application on level or already Plastered surface. It provides silky smooth, hard but durable surface. It resists abrasions & cracking and dries faster to allow early decoration. It is easier to apply trowel in 6 mm thickness. It is easy to mix & apply. Surface Finishing Plaster is manufactured from calcium sulphate hemi hydrate gypsum with additives to enhance properties for easy spread ability & better workability. It's inbuilt unique properties include



- **Strong Bonding With No Shrinkage Cracks** : It attains early strength & provides controlled gradual set & is free from shrinkage cracks.
- **Low Density Higher Coverage** : It is having low density to provide higher coverage,
- **Hard Surface & Good Impact Strength** : It provides silky smooth hard surface & good impact strength & strong bonding with background.
- **No Water Curing** : It does not require water curing thus saves labour, time & consumption of water, helps to complete project faster.
- **Easy Mix, Spread & Apply** : It has been formulated for easy but improved workability
- **Thickness** : Ideal thickness of plaster recommended to be 6 mm but should not exceed 10 mm on any solid background. If thickness of plaster to be applied is higher & more than 10 mm, it should be done in two applications.
- **Setting Time** : of Plaster is app. 8-10 minutes, after mixing with water. The setting progresses evenly & gradually until the surface is hard enough to receive a final stroke of trowel, at app 15-20 mints.
- Its **coverage** is app. 2.5 m<sup>2</sup>, per Bag , in 6 mm thickness.
- **In Built Properties** : Plaster is non combustible having very low thermal conductivity (k-value). Thus lends good thermal insulation to walls / surfaces.



## Application :

- The background should be suitably wetted prior to plastering, to displace trapped air & to facilitate good contact & bonding with background.
- Plaster wet mix is prepared by mixing powder with clean water, to have workable consistency. The wet mix then applied to rigid surface by using trowel, It should be applied firstly as tight coat & then turning back immediately to fill out to required thickness.
- As soon as plaster starts setting, final finish is obtained by moving trowel firmly on entire surface.

## Technical Specification :

	Single Coat Supreme	Single Coat Premium	Surface Finishing Plaster
<b>Application Background</b>	Brick block & concrete surface with normal suction background		Plastered surface concrete soffit.
<b>Advantages</b>	Specially formulated for strong bonding & good strength, lower density & higher coverage, gradual setting with no shrinkage cracks.		High purity, consistent superior quality for silky smooth finish.
<b>Packaging/storage</b>	25 kg. HDPE bags, having self life of three months, should be stored in dry condition		
<b>Colour of finished surface</b>	Off white	Off white	Off white
<b>Bulk Density(Kg/m<sup>3</sup>)</b>	1100	1050	1200
<b>Setting Time (minutes)</b>	10-15	10-15	08-12
<b>Coverage at 12 mm thickness (m<sup>2</sup>/1000kgs)</b>	62	65	100/6 mm thickness
<b>Surface Smoothness</b>	smooth	very smooth	very smooth
<b>Workability</b>	easy	easier	easier
<b>Compressive Strength (Kg/cm<sup>2</sup>)</b>	65-70	65-70	70-75

## Precautions :

- ▶ Tools & water used should be cleaned & free from impurities. Set plaster shortens the setting time & thus reduces the strength & bonding of plaster.
- ▶ Fittings & plugging should be done before plastering, opening, chasing etc ( for fitting or conduits) should be filled firmly before starting plastering.
- ▶ Entire background (to be plastered) should be thoroughly brushed & cleaned to remove dust, loose mortal & oil/grease.
- ▶ The surface should be reasonably dry & protected from weather conditions. The high suction background should be adjusted by sprinkling water.
- ▶ Once plaster wet mix is made & has started to set, it should not be tempered with fresh mix or powder, as it will affect the properties.
- ▶ Due care should be taken to ensure that rapid loss of water is avoided, in hot & dry condition.
- ▶ Bags should be handled carefully to avoid tearing. Hooks are not recommended.
- ▶ To ensure that hands are dry before putting them in the bag. After taking out plaster, always fold opened and of bag, to protect plaster from moisture.
- ▶ Always mix powder to water, not water to powder. Material should be thoroughly mixed so as to ensure that it is free from lumps and impurities before use.

**We recommend use of 'Super Tuff' for better dressed walls**

**Head Office :**

## **SUPREME GYPSUM PVT. LTD.**

MANUFACTURERS OF QUALITY GYPSUM PLASTER

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