



Gypsum plaster, commonly referred to as **New Dubai Plaster of Paris**, is a flexible and frequently used building material. Its main component is calcium sulfate hemihydrate, and because of its short setting time, it may be used in a variety of fields like building, the arts, and medicine.

### **ADVANTAGES**

- Quick Setting.
- Ease of Use.
- Versatility.
- Smooth Finish.
- Strength and Durability.
- Decorative Detailing.
- Lightweight.
- Moisture Resistance.
- Cost-effective.

### **SURFACE PREPARATION**

Start by thoroughly cleaning the surface you plan to plaster. Eliminate any grease, grime, dust, loose particles, and any prior paint or coatings. Good adherence will be ensured by a clean surface. It's imperative to lightly moisten the surface with clean water prior to applying plaster of Paris. This fosters a solid binding between the plaster and the surface and slows down the drying process of the Gypsum plaster, commonly referred to as **New Dubai Plaster of Paris**, is a flexible and frequently used building material. Its main component is calcium sulfate hemihydrate, and because of its short setting time, it may be used in a variety of fields like building, the arts, and medicine. But watch out for oversaturation; the surface should be damp but not dripping wet.

### **PRODUCT PREPARATION**

When combining water with plaster of Paris, adhere to the ARR & Company instructions. In order to prevent clumping, you should often add plaster to water rather than the other way around. Mix ingredients thoroughly until a smooth, lump-free consistency is achieved.



Plot # MB-83 Mehran Town, Korangi Industrial Area Karachi, Pakistan



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## **APPLICATION**

Using a trowel or spatula, cover the prepared surface with plaster of Paris. Spread the plaster rapidly and uniformly, making sure it is the same thickness all the way around. The thickness will vary depending on the demands of your particular project. Use a plasterer's float or a moist sponge to level and smooth the surface after the plaster has been placed. Check the plaster for any inconsistencies or air bubbles. To make the edges disappear into the surface, feather them. When the surface is drying, try not to disturb it because this could cause fractures or other flaws. The plaster can be sanded to obtain a smooth finish once it has entirely dried and cured, making it ready for painting, wallpapering, or other decorative treatments.

## **TECHNICAL DATA**

<b>Chemical Composition</b>	Plaster of Paris is primarily composed of calcium sulfate hemihydrate (CaSO <sub>4</sub> ·1/2H <sub>2</sub> O).
<b>Setting Time</b>	typically ranging from 10 to 20 minutes after mixing with water
<b>Strength</b>	The compressive strength of plaster of Paris can vary, but it is generally considered to have moderate strength when fully cured. It is not as strong as some other construction materials like concrete.
<b>Density</b>	approximately 1.4 to 1.7 grams per cubic centimeter (g/cm <sup>3</sup> ),
<b>Shrinkage</b>	shrinkage can lead to cracking if not properly controlled or if excessive layers are applied.
<b>Fire Resistance</b>	POP is inherently fire-resistant and can withstand high temperatures without combustion.

\*Typical results under laboratory conditions.

## **CURING**

No Curing required

## **SHELF LIFE**

New Dubai Plaster of Paris has a 12-month shelf life under dry, protected conditions after the date of production.

## **PACKAGING**

New Dubai Plaster of Paris is available in the following packaging:

500 grams pouches Supplied Cartons.

03 KG Bags Supplied as individual bags.



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