



MEGA SHINE

The Most Reliable Brand For Engineers

TECHNICAL DETAILS OF THE PRODUCT

ARCTIC WHITE GYPSUM PLASTER PREMIUM QUALITY



NATIONAL CHEMICALS & MINERALS
12KM STONE, PUGAL ROAD, NAL BARI, BIKANER, RAJASTHAN, 334001



MEGA SHINE

Arctic White Gypsum Plaster : Product Info



Description

Mega Shine Premium Gypsum is at the forefront of innovation, delivering top-tier plaster solutions designed for flawless finishes on interior and exterior walls. It is a one coat gypsum plaster for use on almost all backgrounds, e.g. brickwork, block work or concrete. It provides a smooth, inert, high quality surface to internal walls and ceilings and a durable base for application of decorative finishes. It is a lightweight, retarded hemihydrate, premixed gypsum plaster, incorporating expanded perlite aggregate, requiring only the addition of clean water to prepare it for use.

We Offer The Best Quality Gypsum Plaster



Extra smoothness
& strength



Excellent
coverage



100%
Crack free



Imported
from Iran

ARCTIC WHITE GYPSUM PLASTER

Mega Shine Premium Gypsum



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Features

- **Extra Smoothness & Strength:** Ensures a flawless, durable finish that stands the test of time.
- **Excellent Coverage:** Provides comprehensive coverage, reducing the need for multiple coats.
- **100% Crack-Free:** Guarantees a seamless, crack-free surface for lasting quality.
- **Imported from Iran:** Sourced from the finest materials to ensure superior performance.
- **Less Paint Consumption:** Optimized to reduce paint usage, saving time and resources.
- **Natural Gypsum:** Made from high-quality, natural gypsum for a purer, safer application.
- **Smooth Finish:** Delivers a smooth, professional finish that's ready for painting.
- **Eliminates two-step process** of Sand Cement Plaster and POP punning
- **Non-combustible** (when tested in accordance with BS: 476: part 4:1970), therefore a good form of thermal protection to the building structure.

Specifications : 25kg Bag

General Specification	Mega Shine (P.o.P)
Initial Setting Time	20-25 Min.
Final Setting Time	30-35 Min.
Residue	2%-4%
Whiteness	82%-87%
ISO	Certified
Wastage	NIL
Tensile Strength	7.5 kg/cm
Area Coverage	10-12 mm plaster covers: 32-35 sq ft.



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Chemical Composition

Calcium Sulphate Hemihydrate: $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$

Drying Type

Setting

Standard Compliance

IS 2547 (Part I)-1976 for chemical characteristics

IS 2547 (Part II)-1976 for physical characteristics

Coverage

10-12 mm plaster on wall covers: 32-35 sq ft.

Identification & Packing

Mega Shine premium E-90 is packed in HDPE bags. The outer layer of the bag is printed with the product image, safety instruction, batch number, date of manufacturing, UOM, correspondence address and application instructions.

Only Quality Matters



Descriptive Application Procedure:

1: Surface Preparation: Begin by thoroughly cleaning the surface to ensure optimal adhesion of the plaster. Remove any existing wallpaper, loose paint, loose plaster, wax, and dust fragments that could compromise the bond between the plaster and the wall. Oily substances must also be washed off, as they can weaken the adhesion, potentially leading to issues like peeling or cracking over time. This step lays the foundation for a durable, long-lasting finish.

2: Dampening: Dampen the area where the plaster will be applied with water. This step is essential because it enhances the plaster's ability to bond with the surface and helps in spreading it evenly. Proper dampening minimizes the risk of air bubbles forming and ensures a uniform application, which is crucial for achieving a smooth and consistent finish.

3: Bonding: To further strengthen the adhesion, apply a high-quality bonding material to the prepared surface. This bonding agent is particularly important on smooth or non-porous surfaces where the plaster might otherwise struggle to adhere. The use of a bonding material ensures a secure and long-lasting attachment of the plaster, reducing the chances of future detachment or damage.

4: Mixing: Prepare the plaster mixture by combining Mega Shine gypsum plaster with water in a ratio of 1 part water to 1.25 parts plaster. Use a rod to mix the ingredients until you achieve a smooth, lump-free paste. This specific ratio is crucial for maintaining the plaster's strength, workability, and overall performance. Proper mixing prevents issues such as cracking, uneven drying, or poor adhesion, ensuring the plaster is easy to apply and effective in use.



5: Consistency: It is vital to maintain the recommended mixture consistency throughout the application process. Avoid adding any additional dry elements to the mixture, as doing so can disrupt the balance and negatively impact the plaster's performance, durability, and workability. A consistent mixture ensures that the plaster spreads evenly, adheres well, and dries to a smooth, professional finish.

6: Application: Apply the prepared plaster in a single coat, making sure the thickness does not exceed 12 mm. If a thicker layer is needed, apply additional coats after the first one has set. This method prevents issues like sagging or cracking and ensures that the final surface is even and smooth. Proper application technique is key to achieving a high-quality finish that is both aesthetically pleasing and durable.

7: Finish: After applying the plaster, avoid using a wet brush on the wet surface, as this can leave permanent brush marks that will mar the smooth finish. Instead, allow the surface to set naturally. This step is crucial for maintaining a flawless, mark-free finish that reflects the quality of the application process.

8: Curing: Allow the plastered surface to cure for 72 hours. During this time, the plaster will dry and harden, developing its full strength and creating a smooth, satiny white, and uniform surface. Once cured, the surface is ready for painting or other finishing touches, providing a strong, high-quality base that enhances the durability and appearance of the final product.

Eight Easy Steps for Best Results:

