Modern Chemical Industries, S.A.E.
Paints · Coatings | Corniche Embaba, Al Warraq, Giza, Egypt | Established 1978

SOLID GYPSUM PUTTY

Fine Powder Gypsum Filling Putty for Interior Surfaces — Solid Line

PRODUCT DESCRIPTION

Solid Gypsum Putty is a fine, high-quality gypsum putty in powder form, designed for treating joints, filling cracks, and smoothing interior gypsum board and cement surfaces before final painting. Its distinguishing property is that it does not lose thickness as it dries, so the filled profile stays true after curing.

KEY FEATURES

- Supplied as a fine white powder, mixed with clean water on site
- Does not lose thickness on drying — the applied profile holds after curing
- Excellent adhesion to gypsum board, concrete, and render
- Easy to sand by hand or with sanding machines, giving a completely smooth finish
- Build up in multiple layers for deeper filling

RECOMMENDED USES

- Treating joints in gypsum board (plasterboard) installations
- Filling cracks in interior gypsum and cement surfaces
- Smoothing interior surfaces before final paint work

SURFACE PREPARATION

Ensure the surface is completely clean and free from dust, oils, grease, and gypsum residue. After full drying, sand the surface gently to remove any marks and prepare it for the primer coat.

TECHNICAL & PHYSICAL PROPERTIES

Property	Value
Appearance	Fine white powder
Dry Density	Approximately 1.15 - 1.25 g/cm³
Pot Life	45 - 60 minutes at 25°C, once mixed with water
Maximum Thickness per Layer	Up to 3 mm; multiple layers may be applied
Adhesion	Excellent on gypsum board, concrete, and render
Sandability	Easily sanded by hand or with sanding machines to a completely smooth finish
Shelf Life	12 months from the date of production, in the original unopened packaging

APPLICATION GUIDELINES

Parameter	Recommendation
Mixing Ratio	Approximately 10 - 12 litres of clean water per 25 kg bag
Mixing Method	Add the powder gradually to clean water and stir thoroughly with a mechanical stirrer until a uniform, lump-free paste is obtained
Maturing Time	Leave the mixed paste to stand for 3 - 5 minutes, then stir briefly again before use
Application Method	Putty knife or trowel
Application Method	Spread evenly at a thickness not exceeding 3 mm per layer
Sanding	After full drying, sand gently with fine abrasive paper

DRYING TIME

Stage	Value

Full Dry	4 - 6 hours

Layer thickness, ambient temperature, and relative humidity all affect drying time.

RECOMMENDED PAINT SYSTEM

- Solid Gypsum Putty — applied first on the prepared surface
- Trix Wall Sealer — 1 coat
- Topcoat: any MCI water-based putty, followed by the selected paint system

OCCUPATIONAL SAFETY

Wear a dust mask and protective face covering when mixing or sanding, and avoid contact with the eyes.

STORAGE

Store in a dry place, raised off the ground, away from moisture and direct sunlight. Keep bags sealed when not in use.

HEALTH & SAFETY

- Observe all warning and precautionary labels displayed on the container.
- Ensure application takes place in a well-ventilated area.
- Avoid skin and eye contact. Wear overalls, gloves, and goggles where appropriate.
- In case of eye contact, flush immediately with plenty of clean running water and seek prompt medical attention.
- Keep out of reach of children.
- Do not empty into drains or watercourses. Dispose of waste in accordance with local regulations.
- A Safety Data Sheet is available for this product and should be consulted for full handling and disposal information.

The information in this data sheet is given to the best of our knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.