

CM 40P

Single Component, Pre-packed
Polymer Modified Cement Mortar

Pack Size:
40Kgs, 25Kgs & 10Kgs

TDS Technical Data Sheet



Description

CM 40P is a ready-to-use, high-quality, polymer-modified cement mortar designed to offer a durable, self-curing plastered surface. This product is engineered to enhance the longevity of the structures on which it is applied, providing a consistent and homogenous plaster mix free from impurities like silt and clay. The inclusion of proprietary additives, Quartz, and modified polypropylene fibers significantly reduces wastage, shrinkage, and the formation of cracks, ensuring substantial time and labor savings in construction projects.

Product Features

- **Pre-mixed and Ready-to-use:** Just add water at the site.
- **High Durability:** Provides a strong, long-lasting surface.
- **Self-Curing:** Eliminates the need for water curing.
- **Reduced Wastage:** Minimizes shrinkage, leakage, and cracks.
- **Consistent Quality:** Automated blending ensures uniformity in every batch.
- **Easy Application:** Enhances work efficiency with simple mixing and application.

Application Instructions

1. **Surface Cleaning:** Ensure the surface to be rendered is clean, free from dust, loose materials, grease, oil, and other contaminants.
2. **Wetting the Wall:** Thoroughly wet the surface for a few hours before application.
3. **Mix Preparation:** Add 6-7 liters of water to 40 kg of CM 40P and mix thoroughly.
4. **Allow to React:** Let the mixture sit for 5-10 minutes, then remix before use.
5. **Mixing:** Mix the mortar using a machine or by hand for 5-10 minutes until a uniform consistency is achieved.
6. **Application:** Apply the first coat with a thickness not exceeding 12-15 mm. Ensure the lower coat is thicker than the upper coat.
7. **Second Coat:** If applying a second coat, roughen the previous coat before it fully hardens to ensure better adhesion.
8. **Leveling:** After the final coat, use appropriate tools to ensure proper leveling.
9. **Self-Curing:** CM 40P is a self-curing plaster and does not require additional water curing.
10. **Health and Safety Precautions:** This product is non-toxic and non-hazardous. It is recommended to use gloves, a dust mask, and goggles during application. In case of contact with skin or eyes, wash with plenty of clean water. Seek medical attention if irritation persists.

Coverage Estimates

- 10-12 mm plaster on lightweight blocks: 17-18 sq. ft. per 40 kg bag
- 10-12 mm plaster on brick wall: 14-15 sq. ft. per 40 kg bag
- 18 mm plaster on lightweight blocks: 11 sq. ft. per 40 kg bag
- 12-15 mm plaster on RCC: 20-22 sq. ft. per 40 kg bag Coverage may vary based on the quality and nature of the substrate.

Technical Specifications

| | |
|---------------------------|--|
| Appearance and Color: | Free-flowing granular grey powder |
| • Binder: | Ordinary Portland Cement with Pozzolanic materials |
| Fillers: | Processed fine aggregates (purified, graded, and proportioned quartz) |
| • Maximum Aggregate Size: | 3.00 mm |
| Additives: | Proprietary additives to enhance performance, including water retention, strength, durability, anti-sagging, and adhesion strength |
| • Water Demand: | 6.00 - 7.00 liters per 40 kg bag |
| Pot Life: | 60 - 90 minutes |
| • Plaster Thickness: | 6 mm to 20 mm (One coat/layer should not exceed 13-15 mm per day) |
| • Practical Consumption: | 20-22 sq. ft. per 40 kg bag for an average thickness of 10 mm |

Precautions

- Allow the undercoats to dry and shrink before applying subsequent coats to avoid cracking and crazing.
- Avoid plastering on very wet or greasy surfaces.
- Avoid plastering at temperatures above 35°C.

Packaging and Storage

- **Pack Sizes: 40 kg, 25 kg, and 10 kg**
- **Storage:** Store in a clean, dry area, protected from direct sunlight, extreme heat, and cold. Unopened containers can be stored for 12 months.

Health and Safety

Avoid prolonged contact with eyes and skin. Refer to the relevant Material Safety Data Sheet for detailed information.

Pack Size

40Kgs, 25Kgs & 10Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.