

# COSTAR MORTAR 30

## Cement based Plaster Mortar for Thermal Insulation



### PRODUCT DESCRIPTION

Costar Mortar 30 represents an advanced gypsum-based rendering skim coat meticulously engineered to address defects on both wall and ceiling surfaces. Its multifunctional design extends beyond mere filling, offering seamless skimming for surfaces adorned with paint coats and wallpapers. Notably, its remarkable adherence properties allow for application across a diverse array of substrates, including concrete, masonry walls, concrete blocks, and brick walls.

### BENEFITS

- Easy to grind
- Layer thickness up to 10 mm
- Vapor permeable
- Excellent adhesion
- Surfaces finished with the coat can be painted with any kind of paint
- Very good quality matt white finishing
- Resistant to cracking in thin layer
- Resistant to cracking in thick layer

### AREA OF USE

- Indoor and outdoor facades
- As a complementary of thermal insulation systems in meshed plaster application
- Surface reprofiling of walls
- Excellent substrate for application of further finishing such as paints.
- Application for decorative and facade mortars.

### APPLICATION

#### Surface Preparation

The surface must be clean, dry, dense, rough and clean surfaces, free of substances which could reduce adhesion. It can be applied on concrete, traditional plaster, dispersion (resistant) paints, gypsum board. Glossy surfaces on which oil paints were applied shall be roughened by glass paper and

then dedusted. Concrete and traditional render surfaces may be repaired with the Costar RM mortar.

#### Mixing and Application

- Costar Mortar 30 shall be introduced in the measured volume of clean, clear, cool water and shall be stirred by a paddle mixer until a uniform, lump free mass is obtained.
- The stirring shall be repeated after 3 - 5 minutes. The mixture consistency shall be determined depending on the execution conditions and technologies and shall be maintained during the entire duration of the activity.
- Costar Mortar 30 shall be applied in a uniform layer on the substrate, using the iron trowel.
- The layers applied on walls may be finished by smoothing with the trowel shortly before the material binds.
- After drying the surface may be polished with abrasive paper. The dust which will cover the surface shall be swept by a small soft broom. Both the instruments and the areas smeared with this coat shall be washed with water and hardened residues shall be removed mechanically. The mass prepared shall be used within approx. 40 - 60 minutes since its preparation.

#### Precaution:

- Do not use more water than recommended during mixing
- Addition of extra materials to that of included in the package is not advised.
- Do not mix material in open weather under pouring rain but add powder to liquid & mix material by mechanical means and not manually.
- Always consult relevant product specification documents such as Technical Data Sheets (TDS), Safety Data Sheets (SDS), Material Safety Data Sheets (MSDS), and manufacturer instructions for comprehensive guidance on proper usage, handling, and safety protocols.

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## TECHNICAL PROPERTIES

Packaging	20kg
Appearance	Grey
Shelf life	12 months from date of production
Storage conditions	Product must be stored in original, unopened, and undamaged sealed packaging in dry condition and temperature between +5 °C and +35 °C.
Mixing ratio	4 to 5ltrs of water per 20kg bag
Application temp	Minimum 10° C Maximum 30° C
Max aggregate size	2mm
Bulk density	1.7-1.8 kg/l
Compressive strength	4.0MPa @ 28days
coverage	4kg per m2 (or 7.5 – 8sqft/20kg bag @ 10-12mm thickness)  NB: The theoretical coverage provided above is obtained based on controlled lab practicals and variations can be expected onsite due to porosity of the substrate, accounting for wastage during application and prevailing weather conditions.
Pot life	45minute (can vary on climatic condition)
Ambient air temp	+5 °C min. / +35 °C max.
Silt content in sand	<0.8%
soundness	<0.03%
Substrate temp	+5 °C min. / +35 °C max

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### STORAGE AND SHELF LIFE

Protect from freezing, if frozen or crystallized, thaw gradually and stir to homogenous mixture. Shelf life in unopened original containers is 12 months when stored at 70°F (21°C).

### STANDARD

Conforms to the requirement of IS 2645 and IS 9103

### LIMITATION

- Do not apply the product under direct sun light and at rainy and windy weather
- The prepared mortar must be consumed within not later than 3 hours.

### HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product.
- *For Professional Use only.*

### ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

### LEGAL NOTE

The information and recommendations relating to the application of Costarchem products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costarchem endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costarchem reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.