

# COSTAR MORTAR 10

Costar Concrete Finishing Mortar



## PRODUCT DESCRIPTION

Costar Mortar 10 is a blended mix of Portland cement, sand and special additives specifically designed for plastering works on block walls, concrete surfaces, bricks and general filling up internally and externally.

It is designed with special additives and polymers specifically aimed for interior and exterior use. Costar Mortar 10 can easily be applied once mixed to a wide range of substrate (such as concrete, masonry wall, concrete blocks, brick walls etc).

## BENEFITS

- Easy preparation (Pour powder to liquid)
- Quick application thanks to good deformability and plasticity.
- Fireproof, durable and long lasting
- Resistant to water, frost, moisture and severeweather conditions
- Provides an excellent flushed surface substrate for the application of further finish
- Minimized risk of cracking
- High level of water vapor permeability
- Long usage and correction period.

## USES

- Suitable for creating a leveled surface on a very uneven masonry or concrete.
- Suitable for smoothing walls and ceilings before final treatment is applied.
- Internal and External application
- Suitable for fillings holes and irregularities, leveling and covering ceilings during renovation work.

- They are also suitable for direct application to mineral-based substrates such as gypsum boards or plastered surfaces

## APPLICATION

### Surface Preparation

Substrates must be clean, sound, dust free and free from all traces of oil and laitance or low adhesion coatings and any other substances that might the bonding of Mortar 10 to the substrate. Having a surface saturated dry surface is beneficial.

### Mixing and Application

- Prepare the mixture by either manually blending 20 kg of Costar Mortar 10 with 6 liters of clean water using an electric hand mixer, or mechanically.
- Ensure thorough mixing until achieving a uniform paste consistency.
- Allow the mixture to rest briefly.
- Application of the mortar should proceed in a single direction. It typically solidifies within approximately 2 hours, facilitating subsequent smoothing and grinding procedures as needed.

### 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 poring rain but add powder to liquid & mix material by mechanical means and not manually.
- Always refer to relevant product specification documents (such as TDS, SDS, MSDS MS) for further guidance

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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	4.5 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	3.0MPa @28days
coverage	1.3kg per m2 per mm 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	<1%
soundness	<0.05%
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

## 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.