



## Polymer modified high quality water resistant cementitious render

### Description

Plaster CP20 is a cementitious economic plaster composed cement, selected sand, and special additives to provide better shrinkage control, bonding, curing and workability.

Plaster CP20 can be applied manually or by using suitable spray machines on block walls, bricks, ceilings and other concrete surfaces with thickness between 8 to 20 mm in single application.

### Uses

- Internal/ external walls and ceilings.
- Can be applied in wet and dry areas.
- Suitable for hot and dry conditions.

### Characteristics / Advantages

- High build thickness in single layer application
- Easy and fast application.
- Factory controlled pre-blended dry mix which requires only addition of water.
- Easy to mix and apply.
- Shrinkage controlled to reduce surface cracks.
- Low VOC.

### Standard Compliance

- BS EN 998-1:2016
- BS EN 13914-1
- BS EN 13914-2
- ASTM C926



### Typical Properties

#### TECHNICAL DATA

|                             |  |
|-----------------------------|--|
| <b>Composition</b>          | Portland Cement, sand, chemical additives and polymers |
| <b>Aggregate Size</b>       | Up to 1.18 mm sand                                     |
| <b>Color</b>                | Grey   |
| <b>Appearance</b>           | Grey   |
| <b>Layer Thickness</b>      | 8-20 mm  |
| <b>Mixed Density</b>        | 1.60 kg/ltr  |
| <b>Compressive Strength</b> | >6.0 MPa @ 28 days                                     |
| <b>Flexural Strength</b>    | > 2.0MPa @ 28 days                                     |
| <b>Bonding Strength</b>     | > 0.5 MPa @ 28 days                                    |
| <b>Working Time</b>         | 30 minutes   |

### Application Instructions

#### Surface preparation

The substrate should be sound and clean from dust, oils, dirt, curing compounds, etc. prior to application, the entire surfaces should be dampened using clean water.



## Mixing

Pour into a suitable container 4.25 – 5.00 liters of clean water. Add 25 kg powder to the water and mix using a low speed mixing drill fitted with the suitable mixing paddle. Continue mixing for 3-4 minutes until achieving lumps-free mix. Allow the mixed material to stand for 5 minutes, then re-stir slightly with no extra water to be added to the mix.

## Application

Apply Plaster CP20 on the prepared substrate using the suitable spraying machine or manually by suitable plastering trowel. It can be applied in a single or multiple layers.

For smooth concrete surfaces apply plaster key coat prior to application of Plaster CP20.

The application of PLASTER-CP20 must be carried out single coat to 20mm with plastering machine. If more than 20mm thickness is required, two coat application is recommended.

## Cleaning

Tools should be cleaned immediately with clean water. Hardened material should be removed mechanically.

## Consumption

Approximately 1.30kg/ m<sup>2</sup> @ 1 mm thickness.

## Packaging

Plaster CP20 is available in 25 kg bags

## Storage

Plaster CP20 has a shelf life of 12 months when stored in its original unopened packing in dry conditions. Shelf life may reduce if the recommended storage conditions changed.

**This product is environmentally friendly.**

## Limitations

- Ensure the substrate suitability prior to application of the product. To assess the suitability, reference sample should be applied.
- Do not apply the product if the ambient temperature is less than 5 °C.
- Hot weather practices should be adopted if the temperature is above 35 °C.
- Working area should be covered in case of harsh weather (wind, dust, etc.)

## Safety Instructions

Like any cementitious product, Plaster CP20 contains hydraulic cement and may cause irritation to skin or eyes. For further information Refer to the Material Safety Data Sheet

## Disclaimer

Manaseer Industrial Complex has the right to amend its datasheets anytime. Please make sure to have the latest published datasheet version.

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