

# MAGIC PLAST™

## Ready Mix Plaster

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### Product Description

MagicPlast – Ready Mix Plaster is a polymer modified premixed cement-based plaster. It is convenient, easy to use, strong and binds better to its substrate. It provides an even surface on which tiling can be done faster & efficiently. It replaces the conventional method of plastering and requires only water to be added on site before application.

MagicPlast – Ready Mix Plaster is manufactured under strict quality-controlled environment using state-of-the-art automatic SCADA/PLC controlled machines.

### Application Areas

For interior and exterior walls.

### Advantages

- High Bond Strength
- Crack Free Wall
- Faster Application
- Excellent Coverage
- Easy to use
- Economical
- Premixed

### Suitable Substrates

- AAC Block/Concrete Block
- Red Clay Bricks
- Cement Mortar Blocks/Bricks
- Concrete Hollow Blocks
- Cellular Concrete Blocks
- Stone Walls
- Fly Ash Bricks

### Packaging

40 kg bag

### Colour

Grey Powder

### Coverage

Coverage is based on smoothness and evenness of the substrate, type of masonry work and the thickness of mortar used. A coverage of 17-20 Sq. Ft. per bag of 40 Kg is received when applied with a thickness of 10-12 mm.

Prepare plaster by adding Magic Plaster – Ready Mix Plaster to 18-20% of water and not vice versa.

### Shelf Life

Factory packed bags of Magic Plast – Ready Mix Plaster carries a shelf life of 6 months, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site, the information should be treated as a general guideline.

### Technical Data

#### Relevant Standard:

IS 1542, Sand for Plaster

#### Performance Properties:

Magic Plast – Ready Mix Plaster mixed with water:

Test	Results
Compressive strength	>9.0 MPa
Flexural Strength	>1.8 MPa
Pull Off Adhesion Strength	>0.3 MPa

#### Working Properties:

Maximum Aggregate Size	3mm
Pot Life	1-1.5 Hours
Initial/Final Setting Time	30/600 Mins.
Water Retentivity	Min. 95%
Dry Density	1600 kg/m <sup>3</sup>

### Recommended tools for application



Wooden Float



Steel Trowel



Slow Speed Mixer



Wire Brush

### Installation Method

#### Surface Preparation:

The application surface/substrate must be free from loose particles or any other foreign material prior to commencement of work/application of any Magicrete products. Pre-wet or dampen surface with good quality fresh water, if necessary.

#### Mixing:

Pour a bag of Magic Plast – Ready Mix Plaster in 7-8 litres of water in clean bucket and not vice-versa. Mix continuously by hand or using an electrical stirrer for 4-5 minutes to obtain a homogenous lump-free paste. Leave the mix to stand for 2-3 minutes and remix the plaster before use. Use the mixture within 60-90 minutes of preparation.

#### Application

Apply the plaster to surface using a steel trowel or wooden float to ensure optimum bonding.

The thickness of each coat should not exceed 12 mm.

## Troubleshooting

Problem	Possible Reasons	Recommendations
<b>Mix is not properly adhering to substrate</b>	<ul style="list-style-type: none"> <li>• Water taken is not proper</li> <li>• Mixing with water is not proper</li> <li>• Wetting is not done of substrate</li> <li>• Mix has lost its plasticity and is set before application</li> <li>• Substrate wasn't cleaned or hacked prior to application</li> </ul>	<ul style="list-style-type: none"> <li>• Use appropriate recommended water content</li> <li>• Mix properly. Use of slow speed stirrer is recommended.</li> <li>• Do proper wetting before application</li> <li>• Use mix within 90-Minutes</li> <li>• Clean the surface properly and hack it (if required)</li> </ul>
<b>Horizontal Cracks are Observed on Plastered Surface</b>	<ul style="list-style-type: none"> <li>• Coat applied is over and above recommended thickness</li> <li>• Curing is not done, post application</li> </ul>	<ul style="list-style-type: none"> <li>• Apply in coats of not more than 12mm thickness</li> <li>• Do curing of the surface for 7 days, atleast once a day</li> </ul>
<b>Wall Joints are Visible on Plastered Surface</b>	<ul style="list-style-type: none"> <li>• Coat applied is very thin</li> <li>• Different rate of suction between the plaster and the bricks/blocks</li> </ul>	<ul style="list-style-type: none"> <li>• Apply proper thickness</li> </ul>
<b>Cracks are observed between ceiling and wall</b>	<ul style="list-style-type: none"> <li>• Combination of two different material may result into cracks</li> </ul>	<ul style="list-style-type: none"> <li>• Do grooving between ceiling and wall plaster or use fibre mesh between wall, column &amp; ceiling</li> </ul>
<b>Plaster debonding or chipping</b>	<ul style="list-style-type: none"> <li>• Surface was not properly prepared i.e. Pre-wetting or cleaning of the surface was not done prior to application</li> </ul>	<ul style="list-style-type: none"> <li>• Clean the surface properly before application</li> <li>• Pre-wet the surface to remove dust and other foreign particles</li> </ul>

## Availability

Magicrete materials are available across India.

For distributor information:

**Toll Free:** 1800-274-55-55

## Limitations

Magic Plast – Ready Mix Plaster is not a replacement for waterproof membranes. When a waterproof membrane is required, use a different product for the same.

## Cautions

- During cold weather, protect finished work from use until fully cured.
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with

skin. In case of contact, flush thoroughly with water at least for 15 minutes and seek medical help if burning continues.

- Do not take internally. Silica sand may cause serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children

## Warranty

Magicrete Building Solutions Pvt Ltd warrants that MAGIC PLAST – READY MIX PLASTER, is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of six (6) months from date of manufacture, subject to the terms and conditions stated in MAGICRETE Product Warranty.

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