

# MITCHFINISH 161

Ready to Use Polymer Modified Water Resistant High Strength Plaster



## DESCRIPTION

MITCHFINISH 161 is a premium, factory manufactured, cement-based, polymer-modified, sprayable wall plaster for application on brick and block masonry, panel walls and concrete surfaces. MITCHFINISH 161 is suitable for dry and wet interiors as well as exteriors and serves as render coat underneath MITCH DRYBOND series of tile adhesives.

MITCHFINISH 161 is manufactured from specially selected cements, graded aggregates, polymers and other proprietary additives. MITCHFINISH 161 is used to create a durable, long life plaster or render surface.

## USES

- Interior wall rendering
- Exterior wall rendering
- Panel wall rendering
- Ceiling rendering
- In all structures such as,
  - Warehouses
  - Factories
  - Commercial Buildings
  - Homes
  - High rise apartments
  - Educational facilities
  - Hospitals
  - Government buildings

## ADVANTAGES

- Factory manufactured ready mix
- Zero on-site Mixing hassles and Quality Concerns
- No Rebound - No material wastage
- Durable, long life finish
- Low maintenance
- Excellent adhesion and bond to substrate
- Water resistant
- Can be applied to wet surfaces
- Anti Carbonation layer
- Resistant to Carbonate and Sulphate salt attacks
- Breathable layer
- Auto Dehumidification, evaporation of trapped moisture
- Curing not required
- Compatible with drinking water
- Excellent base layer for application of paint and other decorative finishes

## PROPERTIES

Appearance	Dry Granular Powder
Colour	Grey
Thinner	Water
Layer thickness	10 mm in a single layer, can be built up to 25 mm in multiple layers
Coverage	15 SFT / Bag / 10 mm layer
Application	Trowel / Spray
Packaging	25 Kg Bags
Shelf Life	1.5 years
Chemical Composition	Silica Sand, Portland cement, natural admixtures, PP fibers, strength enhancing compounds
Size of Silica Sand	0.8 mm Maximum
Water / Powder Ratio	4.2 – 4.8 liters of clean mixing water / 25kg powder
Pot Life / Workable life of fresh mortar	180 minutes @20 °C
Bulk Density of hardened mortar	1650 kg/ m <sup>3</sup>
Compressive Strength	1200 – 1500 PSI
Flexural Strength	≥ 300 PSI
Adhesive Strength	≥ 80 PSI
Water vapor permeability	≤ 12
Depth of water penetration	1 mm exposed to wind driven rain

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

All surfaces must be clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents, and cleaning solutions. Ensure that all surfaces are smooth and free of any irregularities. Repair all cracks and damaged areas with an appropriate patching material. Painted or glossy surfaces should be sandblasted to expose cementitious substrate. Just before application, dampen all surfaces with clean, potable water.

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## MIXING & INSTALLATION

Mix one bag of MITCHFINISH 161 (25 kg) with appropriate amount of water (depending on the application method), by using an electric mixer, for 3 to 5 minutes.

For manual application by hand, add approx. 4.0 to 4.5 Liter (16 -18%) of water per bag of MITCHFINISH 161.

For spray application, add approx. 4.5 - 5.0 Liter (18 - 20%) of water.

Apply the render by hand or spraying machine to required thickness in multiple layer(s). Each layer of MITCHFINISH 161 should not exceed 10 mm in thickness. In case thicker layer is desired then it may be built up using multiple layer applications. Each preceding layer should be allowed to dry before application of subsequent layer. Always damp the surface before application.

MITCHFINISH 161 can be applied directly to concrete or masonry surfaces without requiring the application of a bond coat.

## CURING

MITCHFINISH 161 is self curing and does not require water curing or use of curing compounds except for very hot and dry climatic conditions. Drying should occur within 24 hours at an ambient temperature of more than 20°C. In case of very hot, dry, or windy conditions, protection should be provided. All freshly applied material must be protected from rain. Full curing strength typically occurs in approximately 28 days.

## WATCH POINTS

- DO NOT apply at temperature below 5°C.
- DO NOT add any more water than required.
- DO NOT over saturate the wall during preparation.
- DO NOT use excessive amounts of water during Troweling or finishing operation.

## EQUIPMENT CLEANING

Immediately, after use, all application equipment should be cleaned thoroughly with fresh water.