

# 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. It's suitable for dry and wet interiors and exteriors and serves as a render coat underneath MITCH DRYBOND series of tile adhesives.

## USES

- Interior wall rendering
- Exterior wall rendering
- Panel wall rendering
- Ceiling rendering

## 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 sulfate 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
- Color:	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

LG 08, AlGhani Arcade, Main GT Road, Near DHA II, Islamabad  
Tel: 051-4493348, 4493349, 8736479  
Mobile: 0321-8573263  
Email: [sales@mitchellpakistan.com](mailto:sales@mitchellpakistan.com)  
[www.mitchellpakistan.com](http://www.mitchellpakistan.com)

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## 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 the cementitious substrate. Just before application, dampen all surfaces with clean, potable water.

### MIXING & INSTALLATION

Mix one bag of MITCHFINISH 161 (25 kg) with the appropriate amount of water (depending on the application method) using an electric mixer for 3 to 5 minutes. For manual application by hand, add approximately 4.0 to 4.5 liters (16-18%) of water per bag of MITCHFINISH 161. For spray application, add approximately 4.5-5.0 liters (18-20%) of water. Apply the render by hand or spraying machine to the required thickness in multiple layers. Each layer of MITCHFINISH 161 should not exceed 10 mm in thickness. In case a thicker layer is desired, it may be built up using multiple layer applications. Each preceding layer should be allowed to dry before the application of the subsequent layer. Always damp the surface before application.

### CURING

MITCHFINISH 161 is self-curing and does not require water curing or the 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 a 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 operations.

### EQUIPMENT CLEANING

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