

# MITCHMORTAR O30

O Type Masonry Mortar



## DESCRIPTION

MitchMortar O30 is a ready to use masonry mortar, specially formulated and manufactured for use in brick, block, and stone masonry construction. MitchMortar O30 is usually recommended for laying and grouting of masonry units in interior applications for non load bearing structures. It's use in exterior applications is not advised but it can be used in some special circumstances for which approval may be obtained from the engineer concerned. For moisture sensitive areas, a water resistant formulation is also available.

## COMPOSITION

MitchMortar O30 mortars consist of a blend of portland cement, special cements, hydraulic lime, plasticizers, polymers and other additives to create a specialty mortar with improved properties such as setting time, workability, water retention and durability. Manufacturing under controlled conditions in a factory environment ensures the production of high quality mortars that exhibit uniform performance batch after batch.

## ADVANTAGES

- **Uniform Quality**
- **Consistent performance**
- **Excellent adhesion to masonry**
- **Easy to apply, saves labour costs**
- **Non Toxic**
- **Has very good water retention property**
- **Self Curing, water curing not required**

## STANDARDS

MitchMortar O30 mortars conform to ASTM standard C 270 and EN 998-2 for ready to use masonry mortars.

## MIXING

Add just enough water to dry mortar so as to make a mortar of lump free pasty consistency. Usual water addition level is between 4.0 liters to 4.50 Liters of water per 25 Kg bag of MitchMortar O30. Mix well, preferably with a slow speed drill fitted with mixing paddle.

## CURING

MitchMortar O30 is self curing and does not require water curing. But additional water curing, if adopted, will have a positive impact on all the properties.

## TECHNICAL DATA

Form	Grey Powder
Bulk Density	1.85 Kg/m <sup>3</sup>
Grain Size	Fine, 0 – 0.5 mm
Gauging Water	4.0 to 4.5 Lt per Bag
Compressive Strength, Minimum PSI (MPa)	370 (2.55)
Flexural Strength, Minimum PSI (MPa)	145 (1.0)
Bond Strength, Minimum PSI (MPa)	75 (0.5)
Thermal Conductivity, λ	< 1.0 W/m.K

## PACKAGING

25 Kg Bags

## WATCH POINTS

1. Product is highly alkaline.
2. Use safety goggles, face mask and gloves.
3. Do not use in temperatures below 5°C and above 40°C.

## Equipment cleaning

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