

# SOUNDPLAST PMC - 1 CEMENT PLASTER



## DESCRIPTION :

PMC - I is a factory premixed cement based plaster designed for both internal & external application. With ratio 1:4 (cement:sand) PMC-I can be directly applied in one coat to brick / block walls, concrete , calcium silicate blocks aerated autoclave block etc.. PMC-I is manufactured using high quality Portland cement and graded Silica Sand , Polymers are added for improved workability and to provide a very good bonding with the substrate PMC-I, can be applied to a minimum thickness of 8mm to maximum of 15 mm in single coat where thickness exceeds 25 mm additional coat can be applied after 24 hrs. Between the layers if required one coat of Sound Aid PB 1:1 may be applied. The consistency should be homogeneous to make it suitable for walls & ceilings.

## COMPLIANCE :

PMC- I , complies with the all international standards such as aASTMC-387 and BS 455 I and 4049.

## ADVANTAGES:

- ✦ Smooth and easy to use plaster.
- ✦ Less curing, Time saving and rebound loss negligible .
- ✦ Eco friendly .
- ✦ Efflorescence free and Non Shrink

## DIRECTION OF USE:

### Surface Preparation:

It must be made sure before the application of PMC-I that the substrate is clean of dust, loose particles and other contamination which may affect the bonding. If the surface is dry , it should be moistened(SSD) with portable water

### Mixing :

In a clean tray or a bucket mix thoroughly one 50 kg bag of PMC-I with approximate 8 to 8.5 Ltrs of clean potable water ( depending upon weather condition ). It is recommended to use mechanical mixture to achieve a homogeneous mix. For large quantity a mixer such as concrete mixer can be used. Preferably add powder to water.

### Applications:

Apply the mixed plaster uniformly on to the prepared substrate using a steel mason trowel The plaster can then be leveled and troweled to a desired finish using mason tools. Different finishes can be achieved using steel trowel , wooden float or a sponge, as the case may be.

### Curing :

PMC-I is incorporated with high quality chemicals also to retain water. Hence heavy curing is not necessary. However please ensure that the plaster is kept moist for a period of 3 days. This can be achieved by light sprinkling of water 2 to 3 times a day.

## TECHNICAL DATA:

APPREANCE AND COLOR	GREYISH POWDER
Maximum Aggregate Size	Less Than 2 mm
Water Demand Manual Application Machine Application	16-18% Approx 17-19% Approx
Pot Life	60 Minutes Approx
Consumption	18-20 Sq. ft. / 50 Kg Bag @ 12 mm thickness approx 14-16 Sq. ft. / 40 Kg Bag @ 12 mm thickness approx
Density Dry Density Wet	1.69 Kg Per Litre (1.5 - 2 Kg Per Litre) 2.10 Kg per Litre (1.60 - 2.30 Kg Per Litre)
Compressive Strength (ASTM C109)	7 Days : $\geq 3 \text{ N/mm}^2$ 28 Days : $\geq 7 \text{ N/mm}^2$
Bond Strength (ASTM C882)	0.3 to 1 MPa (28 Days)
Chloride Ion Permeability (ASRM C 1202)	28 Days < 1000 coulomb's (very low)

The data shown above reflects typical results based on laboratory testing under controlled conditions

**PACKING** : PMC -1 is packed in 50 / 40 kg HDPE bag with liner.

**SHELF LIFE** : PMC-1 can be stored under shaded dry condition for a period of 12 months.

