



SOUNDPLAST PMC - 1

CEMENT PLASTER



Description

A factory premixed cement sand plaster which can be directly applied in one coat in the ratio 1:4, to brick/block walls, concrete, calcium silicate blocks, aerated blocks, autoclave blocks, etc.

Advantages:

- Smooth & easy to plaster
- Requires less time for curing, saves application time & shows negligible rebound loss
- Nature friendly components
- Non-shrink and efflorescence-free

Product Information

Appearance & Colour	Greyish Powder
Maximum Aggregate Size	Less than 2mm
Water Demand	
Manual Application	16%-18% approx
Machine Application	17%-19% approx
Pot life	60 mins approx
Consumption / Coverage	Approx 14 - 15 sq. ft. / 40kg bag @ 12mm thickness Approx 18 - 20 sq. ft. / 50kg bag @ 12mm thickness
Density Dry	1.69 kg per litre (1.5-2 kg per litre)
Density Wet	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 : $\geq 6\text{N/mm}^2$
Bond Strength (ASTM C882)	0.3 to 1 MPa (28 days)
Chloride Ion Permeability (ASRM C 1202)	28 days < 1000 coulomb's (very low)
Packaging	40 kg / 50 kg
Compliance	PMC 1 complies with all international standards such as ASTM C-387 & BS 455I & 4049.

Composition

PMC 1 is manufactured using high quality Portland cement & graded Silica sand and has added polymers for improved workability & bonding with the substrate.

Surface Preparation

Ensure that the surface is free of loose particles, dust & other contamination which may affect the bonding of PMC -1. If the surface is dry, moisten it with potable water (SSD).

Mixing

Thoroughly mix a 50 kg bag of PMC 1 with approx. 8-8.5 litres of clean, potable water in a bucket. It is advised to use a mechanical mixer to achieve a homogeneous consistency. For larger quantities, a concrete mixture is recommended. Add powder to water.

Application

Using a steel mason trowel, uniformly spread the mixed plaster onto the prepared surface. Level & trowel it as desired. Different finishes can be achieved using a steel trowel, sponge or a wooden float. One coat application for surfaces with min.thickness of 8mm to a max.thickness of 15mm, additional coat required for surfaces with thickness more than 25mm. One coat of Sound Aid PB 1:1 may be applied between the layers. The consistency of PMC 1 should be suitable for walls & ceilings.

Curing

The high quality chemicals in PMC 1 retain water, thus reducing the need for heavy curing. However, care must be taken to keep the plaster moist for 3 days by lightly sprinkling water 2-3 times every day.

Note

For application of PMC 1 on RCC & Block Masonry smooth surfaces with no proper key bonding provision:

Since the concrete surface is smooth, plastering materials will not bond. Dents created by hacking concrete surfaces will help in mechanical bonding of plaster (cement mortar & gypsum plaster) It's recommended to have 300-350 dents on an average per square meter. It's also advised to have mechanical bonding always irrespective of the use of chemical bonding agents. Although bonding chemicals bond between the surfaces, mechanical keys will always help enhance the plaster bonding with the substrate. We recommend application of Soundplast PMC 1 on RCC & the smooth surfaces of Block masonry. In places where no key bonding provision is available, use any available bonding agent (hacked) to avoid debonding.

Shelf Life

PMC-1 is to be stored under dry, shaded conditions for a period of 12 months

Technical Assistance

The technical team at Sound Build Care Pvt Ltd. is ready to assist you anytime in case of any technical queries

SOUND BUILDCARE PVT. LTD.

Manufacturers of Building Construction Products

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