



## CEM-PLAST Ready Mix Plaster

### POLYMER BASED CEMENT PLASTER

#### Description

CEM-PLAST Ready Mix Plaster is a premixed cement-based solution to substitute for the traditional site mix wall plaster process. The solution consists of processed sand which is graded and distributed as per particle size and proportionately mixed cement and water-soluble polymers which act as additives. The application method requires mixing of water before application and the mix is ready for plastering.

#### Areas of Application

- AAC Block Walls. Fly Ash Block Walls.
- Clay Brick Walls. Stone Walls.
- Concrete Block Walls. Concrete Surfaces.
- Used for both external and internal plastering.

#### Features & Benefits

- Strength: High Compressive & Tensile strength which increases load bearing capacity.
- Economical: Saves Time & Money as it is premixed and easy to use by just adding water.
- Easy Application: Rapid application via spray machine.
- Minimum Cracks: Shrinkage cracks are minimized as premix plaster raw materials are tested and accurately mixed with specific particle size and quantity.
- Consistency: Due to the manufacturing process and accurate particle size distribution, the premix bags are of consistent quality.
- Minimum Wastage: The wastage caused in the conventional site mix process while sand sieving and mixing material is totally avoided.
- Higher Coverage: Due to lower density and high volume, it covers 16-20 Sft/bag with a thickness of 10-12mm.
- Finish: Surface finish after application is excellent and equal due to best particle size grading, hence maximizing wall plaster performance.

#### Method of Application

##### 1 Surface Preparation

The substrate needs to be cleaned and made free from grease and loose particles.

- The porous and absorbent substrate need to be pre-wetted prior to application of CEM-PLAST Ready Mix Plaster to prevent premature loss of water from the plaster.
- This will ensure that a thin layer can be applied without cracking problems and proper cement hydration so that adherence of the mortar to the substrate is attained.
- Apply a scratch coat to create a rough texture ready to receive the plaster

##### 2 Mixing

- For manual application, mix one 40 kg bag of CEM-PLAST Ready Mix Plaster with 7-8 liters of water in a suitable container using a slow speed electric mixer and mix the mortar for 3-5 mins.
- When using a spray pump the water addition should be adjusted as per requirement.
- Do not over mix. Allow mixture to stand for 2-3 minutes for additives to dissolve. Re-mix again for about 2 minutes, plaster is ready for use.



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#### 3 APPLICATION

- Apply plaster to the substrate using some pressure while finishing with a steel trowel or wooden float to ensure optimum bonding of the plaster to the substrate surface.
- CEM-PLAST Ready Mix Plaster can be used for interior as well as exterior walls.
- For Internal application 10-12 mm single coat is recommended.
- For External application, two coats are recommended to cover the external side of walls. Base coat of 10-12 mm and Finish coat of 8-12 mm to get a total thickness of around 18-24 mm, further depending upon site conditions.
- Plaster of more than 12 mm thickness should be done in 2 coats.

#### 4 CURING

- After Base coat, minimum 3 - 4 days curing must be done before application of finish coat.
- Each coat should be kept moist by spraying 4-5 times a day. The finish coat should be cured for a minimum of 7 days.

#### TECHNICAL INFORMATION

S.No.	Properties	Results
1	Binder	Ordinary Portland Cement
2	Appearance	Greyish Granular Powder
3	Pot Life	30 minutes (can vary on climatic conditions)

S.No.	Test	Results	Test Method
1	Bulk Density (Kg/L)	1.71	ASTM C29
2	Setting Time (Mins)		
a)	Initial settingt	170	IS 4031:1988/RA 2019
b)	Final setting	300	
3	Compressive Strength (Mpa)		
a)	3 days	14.50	EN:1015-1999 (Guidelines)
b)	7 days	22.80	
c)	28 days	36.40	EN:1015-1999 (Guidelines)
4	Flexural Strength (Mpa)	3.40	
5	Retention (%)	102.00	EN:1015-8

#### Theoretical Coverage

20 to 22 Sft/40 Kg bag @ 10-12 mm thick.

#### Storage

- Keep in dry place free from moisture and water. Do not leave the bag/bags open.

#### PACKING

40 Kg



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#### **Shelf Life**

Six months from the date of manufacture in the originally sealed packaging and with recommended storage conditions.

#### **Health & Safety Precautions**

- This product is non-toxic and non-hazardous.
- Use of gloves, dust-mask and goggles is recommended.
- In case of contact with skin/eyes, wash with plenty of clean water.
- In situation of prolonged irritation, professional medical aid should be sought.

#### **Other Product available**

Tile Fix Mortar | Tile Grouts | Block Joining Mortar | Readymix Plaster | Ruff Tuff Textures | Industrial Grade Hardener | Decorative Colour Hardener | Neutral & Colour release | Sealers | Epoxy Resins | Concrete Admixtures | Paints & Allied Products



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**Disclaimer:** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained.