

# Techno plaster™ CRM

Cementitious Ready Mix Plaster

TECHNOPOL

مقاوم سازی تکنوپل

## PRODUCT DESCRIPTION

cementitious ready mix plaster (Techno plaster™ CRM) is a powder mixture of Portland cement, fine aggregates or sand and polymers with predetermined proportions, which is sold in the form of bags. Our cementitious ready plaster ensures high quality by providing good mechanical properties, reduced wastage, good compressive strength, minimization of shrinkage cracks, high coverage due to low density, etc. , This cement plaster can be used for decorative coatings, leveling all kinds of surfaces, protecting the surface against environmental factors, fungi, chemicals, etc. cementitious ready mix plaster (Techno plaster™ CRM) due to its high quality and also providing the mechanical specifications required for the installation of new wall posts, can effectively implement new types of wall posts such as fiberglass mesh wall posts and carbon mesh wall posts.



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## TECHNICAL DATA

Parameter	Values
Appearance	Greyish powder
Thickness of single layer	6-12 mm
Pot life	30 Min (Can vary on conditions)
Water demand (W/W)	17% – 19 % of mix ( Can vary on conditions)

## ADVANTAGES

- High compressive strength
- The right consistency
- Saves Time
- Economical
- Minimum Wastage
- Minimum shrinkage cracking
- Higher Coverage
- ease of use

## TYPICAL USES

- Decorative uses
- Leveling the surface of the wall, floor, ceiling
- finishing of the interior and exterior facades of the building
- implementation of new wall posts such as fiber glass mesh wall post and carbon fiber mesh wall post
- Covering surface defects
- Surface protection against atmospheric conditions, fungi, chemical material, etc

## PACKAGING

This product is packed in 25 kg bags.

## STORAGE

It should be stored in a dry place away from moisture. It is recommended to arrange it in covered warehouses at a distance from the floor, ceiling and walls and cover them with a plastic cover. If stored well, it can be used up to six months after production

## INSTALLATION PROCEDURE

**surface preparation:** The surface should be cleaned from any contamination such as grease, paint, dust particles, etc. using tools such as hammer, Angle Grinder, wire brush, etc. The rough surface can increase the adhesion strength of cement plaster to the existing surface. The surface must be well moistened before starting the cement plaster application process.

**mix:** The ready mixture of cement plaster should be transferred from the bag to a clean and dry container and water should be added to the mixture at a ratio of 17 to 19% by weight. Then water and cement plaster powder are mixed for 5 minutes with a special mixer until a homogeneous mixture is obtained. Leave

the mixture for 5 to 10 minutes for the necessary reactions to occur in it.

**Covering:** The cement plaster mixture can be applied to the desired surface using spraying systems or manually using tools such as trowels and then leveling it.

**curing:** curing: After drying the cement plaster applied to the surface, its curing should be done 2-3 times a day for 7 days. The surface can be used after the final setting of the cement plaster.

#### LIMITATIONS

- It may be harmful with skin contact.
- Do not apply in freezing conditions or peak heat or during precipitation.

#### CAUTION

The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Safety Data Sheets (SDS) for detailed information.

#### FAIRST AID

##### *Skin*

In case of skin contact and allergic reaction, wash it with soap and water and consult a doctor in acute situations.

##### *Eyes*

In case of contact with eyes, wash it with soap and water. If exposure results in adverse effects, seek medical advice.

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