

# Techno plaster™ GRM

## Gypsum Ready Mix Plaster

TECHNOPOL

مقاوم سازی تکنوپل

### PRODUCT DESCRIPTION

Ready gypsum plaster mixture (Techno plaster™ GRM) is a mixture of dry gypsum powder with or without stiffener, retarding or accelerating additives, which is packaged and marketed in moisture-resistant bags with predetermined weights. Ready gypsum plaster mixture (Techno plaster™ GRM) is efficient for all types of concrete, brick, block, etc. surfaces. To use it, it is enough to mix it with the ratio of water specified in the product instructions for two to three minutes and then use it. Ready gypsum plaster is made from high-quality, dry gypsum without the slightest impurities. In addition to decorative applications, Building Interior view, smoothing and leveling surfaces, thermal insulation, ready gypsum plaster can prevent the growth of fungi and bacteria on the desired surfaces as a protective coating. Ready gypsum plaster hardens quickly without the need for curing, which can greatly increase the speed of project implementation. Due to its good adhesion and hardening, ready gypsum plaster is very efficient in the implementation of new types of wall posts, including fiber glass mesh wall posts and carbon fiber mesh wall posts, which need to be buried in a suitable plaster for final installation. By using ready gypsum plaster, you can experience the perfect final finish, both from the point of view of beauty and performance.



Buildings  
Structures



Transportation  
Infrastructure



Water &  
Wastewater



Oil, Gas &  
Industrial



Waterfront  
Structures



Industrial  
Facilities

### MECHANICAL SPECIFICATIONS

Colour of Finished Surface	White
Setting Time	25-30 Minutes
Coverage Area (12mm thickness)	2m <sup>2</sup> per 25kg bag
Package Size	25kg
Compressive Strength	60-70 kg/cm <sup>2</sup>

### ADVANTAGES

- No curing needed
- High tensile and flexural strength
- Easy transportation
- Ease of implementation
- High quality
- Less material waste
- Low thermal conductivity
- An obstacle to the growth of bacteria and fungi
- High coverage
- Saving time
- Compatible with all types of brick, concrete, block and...
- Eco-friendly
- High adhesion
- White color
- Lightweight
- Fast setting in 25 to 30 minutes

### TYPICAL USES

- Leveling the surface
- Decorative applications such as sculpture ,etc.
- finishing or covering the interior facades of the building.
- Implementation of new wall posts such as fiber glass mesh wall post and carbon fiber mesh wall post.
- Production of gypsum panels or boards.

### PACKAGING

This product is packed in plastic or paper bags weighing 25 kg.

### 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 of any contamination such as grease, paint, dust particles, etc., using tools such as hammer, angle grinder, wire brush, etc. In addition, before applying ready gypsum plaster, dents, cracks, holes, etc. in the surface should be repaired.

**Mixing:** While mixing ready gypsum plaster with water, always add gypsum plaster to water and not the other way around. This ensures the final consistency and quality of the plaster and prevents the formation of lumps in the mortar. Therefore, you must first add water in a weight ratio of 2 (two parts water) to 3 (three parts plaster) to a dry and clean container, then slowly add the ready gypsum plaster to the water. Stir the mixture of water and gypsum plaster for 2 to 3 minutes until a uniform mixture is obtained.

**Application:** Ready gypsum plaster can be applied to the desired surface using a trowel or other tools. This type of ready plaster can also be used with methods such as spraying or molding.

## 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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