

Technical Information

RENAPLAST READY MIX PLASTER

Premixed Factory blended Polymer modified plaster

Overview A pre-packed polymer modified cementitious mortar with finely graded natural aggregates and additives designed for plastering AAC/red brick walls, concrete walls and Surfaces, light brick plastering, monolithic plastering, etc. Renaplast RMP is ideal for internal and external areas.

Key Features

- ◆ Crack free wall
- ◆ Premixed
- ◆ Easy mixing and application
- ◆ Cost effective
- ◆ Superior finish
- ◆ Durable with superior strength
- ◆ Formulated with locally sourced minerals
- ◆ Contribute to LEED points

Standards ◆ RENAPLAST Ready mix plaster confirms to IS 1661

Areas of Application

- ◆ For Interior and Exterior Walls
- ◆ Ideal for patching, repairing cracks, dents and smoothing uneven plasterwork

Note: Contact Our Technical Services for recommendations.

Installation

Preparation

- ◆ All Substrates should be structurally sound, clean and free from any kinds of debonding agents, dust, grease, oils, paint, release agents, etc..
- ◆ Clean the area and completely remove all the construction debris before the application.
- ◆ Cleaning can be carried out by suitable methods like wire brush, water jetting, mopping etc.
- ◆ If the surface is porous and absorbent substrate, it should be moistened with potable water.

Mixing

- ◆ Use clean, potable water for mixing
- ◆ Add Renaplast to the clean water into the mixing pot.
- ◆ Use approximately 9 to 11 L of water for 50 kg of Powder.
- ◆ Use a slow speed mixer for mixing or mix it by hand. For best results a mechanically powered mixer should be used to achieve a good consistency. Note that the content of the bag should be slowly added to the pot and to be mixed for about 3-4 minutes. Keep the content for 4-5 minutes and re-mix again for about 2 minutes before application.

Application

- ◆ Always, Use an appropriate Standard trowel/applicator
- ◆ If needed, apply a mortar patch before the wall is plastered
- ◆ Apply the mixed plaster uniformly on the substrate
- ◆ The plaster should be levelled to get a desired finish by using straight edge or a masonry bob
- ◆ Other Masonry tools like steel trowel, sponge or a float can be used to achieve desired finish
- ◆ Ensure the applied material hardened if the user wants a second coat

Protection

Protect the surface against rain for at least 24 hours.
Keep the floor away from general foot traffic for at least 24 hours after application.
Prohibit heavy foot traffic for 14 days.

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Limitations Note recommended for the low temperature which is less than 3°C.
 The product should not be exposed to running water/ a rainfall during application.
 Protect the applied area for 24 hours.

Technical Data (typical values)		
General		
Bulk density (kg/m ³)	1600	
Dry Solid Content	100	
Application		
Mixing ratio	100 Parts of Renaplast RMP with 16 to 18 parts of water (by weight)	
Pot life	1 to 2 hours	
Application Temperature	5 to 40 °C	
Initial Setting time	320 minutes	
Final Setting time	540 minutes	
Drying shrinkage	0.004 %	
Water Retention	91.7 %	
Performance (Renaplast RMP to be mixed with water)		
Parameters	Requirement	Typical Values
Compressive Strength	NA	
1 day		2.5 N/mm ²
3 days		5.2 N/mm ²
7 days		8.8 N/mm ²
28 days		16.5 N/mm ²
Tensile adhesion Strength	NA	1.13 N/mm ²

Coverage 1 bag of Renaplast will cover 17 to 18 ft² when plaster applied with 10-12 mm of thickness over AAC blocks , 14 -15 ft² with 10-12 mm of thickness over clay brick, 6-7 ft² with 25 mm of thickness over brick wall and 20-22 ft² with 10 mm of thickness over RCC (depending on the texture of the surface being plastered)
 Note: Coverage are approximate. For actual values, contact our marketing team.

Packaging & Shelf Life Renaplast Ready Mix plaster is available as 50 kg bags.
 Colour: Grey
 Has a shelf life of 6 months from the date of Manufacturing when stored in a dry, elevated area in the original unopened packaging

Warning! Keep out of reach of Children.
 Product for Professional Use
 Wear Suitable protective clothing, gloves while handling
 For Clarifications and Usage related queries, Contact our Technical Services

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Additional Information

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The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. All the above information must in every case be taken as merely indicative and subject to confirmation after long time application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

The applicable version of the Technical Data Sheet for this product can be downloaded from our websites. Previous versions of the Technical Data Sheets are rendered void with the issue of a new one. Date of issue: 06.04.2023/V1