NXTPLAST®

READY MIX PLASTER

Product By
BIG BLOC CONSTRUCTION

Minimize Cracks,
Flawless Walls

DESCRIPTION

NXTPLAST is Ready Mix Plaster (RMP) with high-quality polymer additives 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 the mixing of water before application and the mix is ready for plastering **NXTPLAST** RMP can be used for both internal and External plastering.

APPLICATION

For Interior and External walls

ADVANTAGES

- **High Bond Strength**
- **Minimum Cracks**
- **Easy and Fast Application**
- **Higher Coverage**
- **Economical**
- **Premixed**
- **Minimum Wastage**

SUITABLE FOR

- **AAC Blocks** (Autoclaved Aerated Concrete Blocks) **Walls**
- **Fly Ash Blocks Walls**
- **Concrete Wall Blocks**
- **Clay Brick Walls**
- **Stone Walls**
- **Concrete Surfaces**
- **Cement Mortar Blocks/Bricks**
- **Cellular Concrete Blocks**
- **Fly Ash Bricks**

PACKAGING

40 KG

COLOUR

Greyish Granular Powder

COVERAGE

Coverage depends on the smoothness and evenness of the surface/substrate, the size of the blocks used, and the thickness of the mortar applied. A 40 KG bag covers approximately 17 to 20 square feet when applied at a thickness of 6-12mm.

To prepare the adhesive mixture, add NXTPLAST Ready Mix Plaster to 17-20% (Depending on Climatic Conditions) of water and not vice versa.

SHELF LIFE

Factory-packed bags of NXTPLAST have a shelf life of 6 months if stored in a cool, dry place. However, factors such as high humidity, water addition, and other site-specific parameters can reduce the shelf life of the product. This information should be treated as general guidelines.

LIMITATIONS

NXTPLAST is not intended to replace a waterproof membrane. When a waterproof membrane is necessary, it is crucial to use a product specifically designed for that purpose. NXTPLAST should be used in conjunction with an appropriate waterproofing solution to ensure optimal performance and durability in environments where moisture protection is essential. Always refer to the specific requirements of your project to determine the best combination of products.

TECHNICAL PARAMETERS

Properties	Specification
Colour	Greyish Granular Powder
Ingredients	Graded River Sand, OPC Cement, Fly Ash, Hydrated Lime, Performance additives & Glass Fiber
Water Demand	17-20% of Mix (vary on climatic Conditions)
Cracking	Negligible
Maximum aggregate size	<3mm
Bulk Density	1.5 to 1.6 kg
Compressive Strength (28 days)	>9 N/mm2
Flexural Strength (28 days)	Min. 1.8 N/mm2
Water Retentivity	Min. 95% (EN 1015 – 8)
Coverage	16-18 Sq. Ft. (10-12 mm Thickness)
Thickness of Layer	~12 mm
POT life	1.5 – 2 Hrs
Shelf Life	6 months from the date of production
Storage Condition	Store properly in original unopened, sealed and undamaged packaging in dry condition.

Note: Specifications are subject to change without notice. The results shown are typical and reflect the test procedures used. Actual field performance will depend on installation methods and site & climatic conditions.

RMP MIXING AND MIXING TIME

NXTPLAST requires 17-20% water by weight of the material. Which translates to 6-7 litres of water per 40 kg bag.

Mixing Time: Mix for a minimum of 5-10 minutes. Use mechanical stirring for 5-10 minutes for proper and even mixture.

APPLICATION

1. Surface Preparation:

- Ensure the surface is clean, dry, and free from dust, grease, and loose particles.
- Repair any cracks or defects in the substrate using suitable repair materials if needed.

2. Mixing:

- Use a clean container and add the required amount of water as specified by the product instructions.
- Mix the plaster thoroughly using a paddle mixer or similar tool until a smooth and homogeneous consistency is achieved. Avoid over-mixing, which can introduce air bubbles

3. Application:

- Use a suitable tool such as a trowel, hawk, or spray machine depending on the type of finish and thickness required.
- Apply the plaster evenly onto the prepared surface, starting from the bottom and working upwards.
- Spread the plaster in thin layers, ensuring good adhesion and coverage.

4. Finishing:

- Depending on the desired finish, use a trowel, sponge float, or other tools to achieve the desired texture.
- Smooth the surface evenly and remove any excess plaster to achieve a uniform appearance.

5. Drying & Curing:

- Allow the plaster to dry as per the manufacturer's instructions. This typically involves a specified drying time before applying subsequent coats or finishes.
- Some plasters may require curing after drying to achieve the desired hardness and durability. Follow specific curing instructions if provided.

6. Cleaning Up:

- Clean tools and equipment immediately after use with water before the plaster hardens.

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