BIG BLOC CONSTRUCTION

Let's make a better world...

NXTPLAST
READY MIX PLASTER

NXTPLAST Ready Mix Plaster is a ready mix cement plaster 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 mixing of water before application and the mix is ready for plastering. NXTPLAST Ready Mix Plaster can be used for both external and internal plastering.

NXTPLAST Ready Mix Plaster can be applied on:

- AAC Block Walls.
- Clay Brick Walls.
- Fly Ash Block Walls.
- Stone Walls.
- Concrete Block Walls.
- Concrete Surfaces.

PLASTER COATS

Internal:

10-15 mm single coat is recommended for internal plaster covering.

External:

Two coats are recommended to cover the external side of walls i.e. Base coat of 8-12 mm and Finish coat of 8-12 mm to get a total thickness of around 18-20 mm, further depending upon site conditions. After Base coat, minimum 2 to 3 days curing must be done before application of Finish coat.

COMPARISON

PERFORMANCE PARAMETERS	JOB-SITE PLASTER	NXTPLAST
DE-BONDING LOSSES	High	Negligible
SMOOTHNESS	Not so smooth	Smooth and hard surface provides aesthetic base of plaster to work upon.
CRACK FORMATION	Due to on site mixing practice, chances of crack formation is more.	NXTPLAST produced at automated dry mix plant. Chances of crack formation is very negligible subjected to proper curing and application.
WATER : CEMENT RATIO	Due to presence of moisture in sand it is not possible to deter- mine exact quantity of water to be mixed.	Due to dry sand used, water cement ratio is easily maintained and full strength of plaster is obtained.
GRADING OF SAND	No grading	NXTPLAST has graded sand which results compactness of plaster.
CEMENT : SAND RATIO	Mistake may occur at job site mix	Sand cement ratio is maintained as NXTPLAST is made in automated plant.
POLYMER MODIFICATION	Polymer modification difficult as it involves multiple polymers and doses.	Polymers already added, results in overall durability.

ECO - FRIENDLY

Indian Green Building Council MEMBER

BIG BLOC CONSTRUCTION

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FEATURES & BENEFITS

High Strength
High compressive and tensile strength increases masonry strength and load-bearing capacity.

Easy Application
The material is pre-mixed and only water has to be added on site. This makes the process of plastering much easier and quicker.

Minimum Cracks
Shrinkage cracks are minimised as premix plaster raw materials are tested and accurately mixed with specific particle size and quantity.

Higher Coverage
Due to lower density and high volume, it covers 15-20 sq.ft./bag with a thickness of 10-12mm.

Economical
It provides smooth finish walls even in a single coat. Hence saves time and cost required for putty coating.

Premixed
No site mix and blending of powder is required. Only water is to be added.

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.

Storage
Easy to maintain stock as equal size packaging in bag form is provided.

Finish
Surface finish after application is excellent and equal due to best particle size grading, hence maximizing wall plaster performance.

Availability
Unlike the uncertain availability of raw river sand, premix bags are available round the year.

PRODUCT CHARACTERISTICS & TECHNICAL SPECIFICATIONS

Parameters	Values
Appearance	Greyish Granular Powder
Coverage	17 to 20 square feet / 40 Kg bag @ 10 - 12 mm thickness
Thickness of Single Layer	6-12 mm
Pot Life	Approx 1-2 hours @ 27° C
Water Demand	17-20% of Mix (can vary on climatic conditions)
Bulk Density	1.2-1.6 Kg / liter unit
Compressive Strength (MPa)	More than 4 in 28 days

Ingredients:

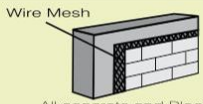
Graded River Sand, OPC 53 Cement, Fly Ash, Hydrated Lime, Performance additives & Glass Fibre.

Health Safety Precaution:

This product is non-toxic and nonhazardous. 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.

PREPARATION & APPLICATION

Concrete Block Joints



All concrete and Block joints must be covered with a chicken wire mesh.

Mix Preparation

In 6-7 liters of potable water add 1 bag of NXTPLAST Ready Mix Plaster.

Remixing

Re-mixing should be done for 5-10 minutes.

Leveling

After final coat ensure proper leveling with the help of appropriate tools.

Surface Clean

The surface should be free from oil, grease, paint, loose plaster or dirt particles.

Leave to React

Leave the mix to react for 5-10 min and remix before use.

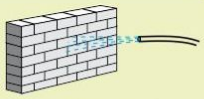
Apply on Wall

The mixture should be thrown while the cement slurry is wet. Ensure levelling with the help of tools.

Water Curing

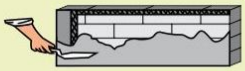
In normal weather, NXTPLAST doesn't need water curing for the first 24 hours. After the plaster is completely dry, curing should be done 2-3 times for 2-3 days. In abnormal weather conditions, curing for 5-7 days is required.

Wall Wetting



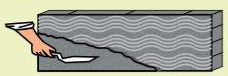
Dampen the wall before application of plaster.

Cement Slurry



Apply cement slurry. If the surface is smooth and dense, the surface should be made rough.

Second Coat



If 2nd coat is required, ensure grooving on first coat to provide good grip for 2nd coat.