

KONCRETE READYMIX PLASTER



Koncrete ReadyMix Plaster

Product Description

Koncrete Readymix Plaster is polymer enriched specially designed rendering material to provide smooth and compact surfaces both internal and external walls in a building construction. Koncrete Readymix Plaster is a blend of PPC/ OPC cement, supplementary cementitious material, selected graded sand and polymer additives in the right proportion for perfect compactness and quality surface.

It is impurities and organic content free, graded sand provides best quality durable masonry surfaces with almost zero surface cracks. It is being manufactured in a very stringent quality control environment and provides consistent quality with hassle free services.

It replaces conventional site mix plastering as it is ready to use by simply mixing water at the site and can be easily applied on the blocks, concrete surfaces and bricks. It not only gives better construction output but also ensures time and money savings compared to conventional method.

Features & Benefits

- Impurities free for highly durable plaster.
- Polymerized Plaster - Performance enhancing special additives are used for non-shrink plaster & high strength plaster.
- Negligible cracks.
- Less rebound losses - Leading to minimum wastage.
- Better adhesion to substrate due to high bonding strength.
- Ready to mix- only water to be added in a predefined ratio for best result.
- Compact plaster - Leading to less permeability to water and protects from other extreme weather conditions.
- High durability.
- Excellent workability.
- Uniform and smooth finish to walls due to consistent batch quality making surface ready for tiling, stone fixing and painting.
- Lesser repair and maintenance cost.
- Improved paint performance- low putty, primer and paint consumption.
- Economical - Significant savings in money, time and manpower.

Application



- Internal as well as external plastering of walls.
- All block/brick masonry works.



- Plastering of ceilings



- Plastering on concrete surfaces.

Substrate

- AAC / Concrete block wall.
- Fly ash block wall.
- Clay brick walls.
- Stone walls
- Red clay bricks.
- Concrete surfaces.

Technical Table

Appearance	Free flowing granular
Color	Grey
Sand	Selective processed sand
Water Intake	12 - 17%, 4.8 liters to 6.8 liters of clean water for 40 kg bag
Cracking	Negligible
Guiding Standards	IS 2250 - 1981 (Reaffirmed 2000)
	IS 1661 - 1972 (Reaffirmed 2001)
	IS 2402 - 1963 (Reaffirmed 2001)
Bulk Density	1700 - 1800 kg/m³
Rebound losses / Debonding	Very low
Water Proofing Capability	Higher compactness reduces permeability
Pot Life	90 min @ 28°C
Mixed Density	1.95 - 2.05 g/cc
Compressive Strength @28 days	> 10 MPa
Water Retentivity	Min 95%
Wastage	Negligible

In case of application concrete surfaces prior to apply plaster, thin coat cement slurry can Also be applied to provide better mechanical Anchoring.

Plaster Coat

- Internal – 8-12 mm single coat is recommended for internal plaster covering.
- External – Walls whichever exposed to extreme climatic conditions (heavy rain etc.) 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 full thickness of around 18-20 mm, further depending upon site conditions.

Note- After base coat, minimum 2 to 3 days curing must be done before application of finish coats, further depending upon site conditions

Method of Application

Surface preparation

Before application, need to check that substrate is free of dust, loose particles, oil, grease, paint, loose plaster and other such contamination which may affect the bonding.

Cleaning can be carried out by suitable methods like wire brush, water jetting, mopping etc.

If the surface is dry, it should be moistened by sprinkling water.

Mixing

In a clean bucket, pour one bag of 40 kg RMP in approx. 17-19 % by wt.(6.8 to 7.6 liters) of Clean potable water and not vice versa. Mixing can be done by using mechanical mixer or hand used tool to achieve a smooth, lump free and homogeneous mix. Allow the mix to mature for 5 minutes before Application and remix before use.

If the surface is dry, it should be moistened by sprinkling water.

Application

Apply the mixed plaster uniformly on the substrate using a steel trowel. The plaster can then be levelled to a desired finish Using masonry tools like spirit level and masonry Mob. Different finish can be achieved using Steel trowel, wooden float or sponge as per finish required.

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

Note to specifier

Do not attempt to extend the pot life by adding more water to the mix.

Do not add any additional substance, like cement sand etc. to the mix. These may adversely, effect the performance of the product.

Coverage

18-25 sqft per 40 kg bag of kon_crete redimix plaster for a thickness from 8-12 mm.

Note - Ensure all surfaces are clean, smooth and free of defects and without undulations for maximum coverage. may adversely, effect the performance of the product.

Packaging

40 kg laminated HDPE bag

Shelf life

Product has shelf life of 6 months from the date of manufacturing. It should be stored in cool and dry place in unopened original packing

Note to specifier

2nd coat also curing of first coat is recommended for 2-3 days before application of second coat.

To avoid undulations on plastered surface, apply mortar patch before the wall is plastered on perimeter of wall for leveling.

Curing

Please ensure that plaster is kept moist for a period of 3 days. This can be achieved by light sprinkling of water 2 to 3 times a day.



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