

Buildon P-20

CEMENTITIOUS DRY READY MIX PLASTER

Technical Data

Appearance	Grey coloured Powder (Granular)
Water Curing	5 Days
Aggregate	Well graded river-sand
Basic Binder	Ordinary Portland Cement
Additives	OPC 53 Grade "Cement Hydrated lime with 85% Purity Polymers & PP Fibers" & Water proofing agent
Pot Life	1 – 2 hours
Water Ratio	17-19% By weight / 6.5 to 7ltrs per bag
Dry Density	1.75g /cm3
Wet Density	2.1g /cm3
Grain Size	0 – 2.5 mm
Compressive Strength	15.36 N / mm2 (at 28 days) approx
Coverage (40 Kg Bag)	For 10 to 12mm on block masonry coverage is approximately 18 to 20 sq.ft
Packaging	40 Kg Bag.
Cement Sand Ratio	1: 4



Buildon P-20 Cementitious Dry Ready Mix Plaster

Buildon P-20 is Cementitious Dry Ready Mix Plaster. It is specially formulated for exterior and interior plastering work to give a hard, smooth and better shrinkage control base coat. Due to its high content of additive and the use of precisely graded fillers, a homogeneous, good adhesion and high work ability is obtained when mixed with water. **Buildon P-20** Cementitious Dry Ready Mix Plaster can be applied manually by hand or by using spray machines.



BENEFITS

- 1 Quality plaster due to best in class particle size distribution.
- 2 Very less rebound loss.
- 3 No hassle of maintaining mortar ratio.
- 4 Easy to count the number of bags which is very much useful for reconciliation.
- 5 Excellent workability
- 6 Surface obtained is highly impermeable due to the best grading hence becomes water-tight.
- 7 High durability cuts repair and maintenance costs.
- 8 Available round the year.
- 9 Completely legal.
- 10 Saves Time and labour.

Uses

Buildon P-20 is recommended for plastering on block walls, ceilings, bricks and concrete surfaces, it should not be used on painted surfaces.

Surface Preparation

The substrate should be free of loose particles, dust, dirt, grease, oil or paint. Absorbent and porous substrates should be moistened with water prior to the application of **Buildon P-20** Cementitious Dry Ready Mix Plaster. In case of non absorbent surfaces, a spatter cement slurry coat should be applied as a key coat to improve adhesion and high bonding with the substrate. In case if the surface contains micro silica, spatter cement slurry should be applied to improve adhesion with the substrate. Concrete or block substrates should have been allowed to cure sufficiently. All shrinkage movements should taken place before applying **Buildon P-20**. Do not apply **Buildon P-20** on the surface exposed to movement, vibration or mechanical impacts. Saturate the surface with water and wait for the evaporation of excess water before applying the mix.

Instructions for use

Buildon P-20 should be mixed with clean water to obtain a homogeneous mixture free from lumps. One 40 Kg. bag of **Buildon P - 20** should be mixed with about 6.5 to 7 ltr. of clean water. The mixture remains workable for 1-2 hour after mixing. Let the mix set for 5min, then remix before application. Apply **Buildon P20** on the surface manually with a plastering trowel or by using a spraying machine in a single layer (upto 20mm).

When the plaster has set , smooth finishing can be achieved with a wooden or foam float. The float should be moistened during the smoothing operation. If more thickness is required , the application should be done in two layers .In the first layer apply **Buildon P-20** in a thickness of 10 -15mm, a rough texture is to be obtained to provide a mechanical key for the second layer. The second layer should be applied at least 48 hours after the first layer. Within this period cure the plaster with clean water. Apply the second layer at a thickness of up to 20mm.

If applying with spray machine, **Buildon P-20 Cementitious Dry Ready Mix Plaster** should not be allowed to stand unused in the machine for longer than 30 minutes. In order to ensure proper curing, it is advisable to keep the plastered surface moist.



Storage : Keep the product in its original bag and store in dry, covered place. In these conditions it can be stored for 3 months.

Health & Safety : Buildon P-20 Cementitious Dry Ready Mix Plaster is a cement based product. Avoid contact with eyes or skin. Provide adequate ventilation in working place to avoid inhalation of dust.



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BUILDON GYPSUM PLASTER

BUILDON Gypsum products in the construction space are the material of choice because of their unique properties. It has excellent insulation properties both thermal and acoustic and can offer very good passive fire protection, moisture resistance, impact resistance and vapour control when used in combination with the right systems.

GYPSUM PLASTER ONE COAT

The distinguished advantage of the **BUILDON Gypsum Plaster-one coat** that it is made out of the highest grade of Gypsum **being pure white in colour and having a hardness of about 40%**, which is more than any other Gypsum Plaster available in the Indian market. This Gypsum plaster can be **easily applied directly on all surfaces**, we do not need to sand/cement/plaster the walls. The coverage in a 25kg bag is 20 Sq. Ft with a thickness of 12mm. **The fineness of 250 mesh and purity of over 90% gives the best atomic bond and an absolute mirror finish.**

TECHNICAL SPECIFICATIONS OF GYPSUM POWDER

Purity (whiteness)	Over 90% White
Fineness	Mesh 250, Residue 2%
Setting Time Initial	12 - 15 min.
Setting Time Final	24 - 30 min.
Bending Strength (Dry)	50 Kg / Cm ²
Compressive Strength (dry)	133 Kg / Cm ²
Dry Bulk Density	750 Kg / m ³
Coverage at 12mm thickness (25 Kg bag)	20 Sq. ft.



Approved By



APPLICATION OF GYPSUM PLASTER

1. Surface must be clean, dry, firm & free of dust.
2. Important properties like soluble salt content, thermal characteristics, shrinkage, strength, suction bonding properties etc. of the background which is to be plastered, should be evaluated before application.
3. Gypsum plaster one coat can be applied directly on most of the surfaces like Brick wall / Fly ash brick / Siporex blocks / Concrete surface / Sand cement plaster wall etc.
4. Suitable fixture can be fixed after the plaster has set, you can put up fixtures of varying weights. Smaller ones can be supported by using steel hooks and pins, while heavier frames and objects can be accommodated with plugs and screws, or suitable fixtures, adequately penetrated into the background to ensure firm hold.



DIRECTION OF USE

1. The right way to mix is to add powder to water not water to powder
 2. Avoid mixing more powder that can be used within 12 minutes - 15 minutes.
 3. Do not temper or mix fresh material once a mix has started to set
 4. After taking the required amount of plaster, always fold the open end, to protect the plaster from moisture.
 5. Setting time cannot be altered by diluting the mixture with For longer setting time BUILDON retarder should be added
- **Single coat Application**
 - **Very smooth finish**
 - **Can be applied directly on all walls / surfaces**
 - **Free of shrinkage cracks**
 - **Zero maintenance**
 - **Compatible with all types of paints**
 - **Pure white in colour**

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