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SUPER PLAST COL-25

Cement-Based Colored Decorative Plaster

Description

SUPER PLAST COL-25 is cement based ready to use colored plaster. It is specially formulated for interior and exterior decorative plastering work to give a hard, smooth and good shrinkage control colored coat.
SUPER PLAST COL-25 consisting of Portland cement, lime, silica sand, fiber, special graded aggregates and chemical additives to give excellent mechanical characteristics, good adhesion, and high workability.
SUPER PLAST COL-25 can be applied traditionally by hand or by using plaster-spraying machine in a thickness up to 25mm per layer.

Features & Benefits

- Easy to mix and apply, just add water.
- Pre-packed in the factory. Quality controlled
- Ideal for internal and external application
- Low shrinkage. Crack free finishing
- Good strength and abrasion resistance
- Excellent water resistance.
- Durable.
- Suitable for hot weather.

Uses

SUPER PLAST COL-25 is recommended for decorative plastering on cement blocks, bricks and concrete surfaces; it should not be used on painted surfaces. In case of application on AAC (autoclave aerated concrete blocks) or concrete contains micro silica; dash spatter coat of **SUPER RUSH** should be applied to provide mechanical bonding with the surface.
SUPER PLAST COL-25 can be used as colored decorative coat plaster in a thickness up to 25mm per coat.

Technical Properties

Appearance	Colored Powder
Color	Available in different colors
Dry Density	1,500 Kg/m^3 approx.
Wet Density	1,750 Kg/m^3 approx.
Workability time	45 minutes @ 25 ^{o}C
Compressive Strength	≥11 N/mm^2 @ 28 days
Flexural Strength	≥3 N/mm^2 @ 28 days
Adhesion to surface	≥0.5 N/mm^2 @ 28 days
Weather resistance	Excellent
Water resistance	Excellent
Application Temperature	5 – 40 ^{o}C

All values are subject to 5-10% tolerance

Standards Compliance:

- ASTM C387, C150, C897& C926
- BS 4551 & 1015
- BS 5262, 5492

Application Procedures

Surface preparation:

The substrate should be free of loose particles, dust, dirt, grease, oil, curing agents or paint.
In case of AAC (autoclave aerated concrete block), fare face concrete, concrete contains micro silica, gypsum or cement boards or polystyrene surfaces, a spatter dash slurry coat SUPER RUSH should be applied as a key coat to improve adhesion and high bonding with the substrate, contact SBI technical department for assistance.
Concrete or block substrates should have been allowed to cure sufficiently. All shrinkage movements should take place before applying SUPER PLAST COL-25.
Do not apply SUPER PLAST COL-25 on surface exposed to movement, vibration or mechanical impacts.
Substrates should be moistened with water prior the application of SUPER PLAST COL-25.

Mixing Instructions:

Add **SUPER PLAST COL-25** bag of 50kg into a container of 8-9 ltr of clean water, mix until a uniform lumps free consistency mix achieved. Leave the mix to stand for 5 minutes and remix before use. For that use low speed mechanical mixer (200-300 rpm) with a

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suitable mixing paddle. The mixture remains workable for 45min after mixing (at 25ºC)
In case of application by using spry machine, adjust the water level to get suitable mix viscosity with uniform consistency.

Application Instructions:

SUPER PLAST COL-25 can be applied manually or by using spray machine direct in one coat of a thickness of up to 25mm. If higher thickness is required than apply the mortar in two layers. The first layer should be finished with a rough texture to provide mechanical Key with the second layer. Cure the first layer with clean water for minimum two days before applying the second coat.
Smooth/even the applied plaster manually by using wood or plastic float and steel trowel. Do not spray water on the applied coat to ease the finishing process. Such wrong practice will weaken the compressive strength of the plaster surface and creates cracks. Plaster should be sufficiently cured with water for two days. To ensure proper curing protect from direct sun light and wind during the first 48 hours.

Sealing Exterior Plaster:

In General, it is recommended to seal the cured surface of **SUPER PLAST COL-25** to prevent staining form rain runoff and other dust contamination. Use one of the sealers from the range of SBI surface sealers to protect the surface without disturbing the breathability of the surface

Yield/ Coverage

17-18 kg of **SUPER PLAST COL-25** will cover 1 m^2 at thickness of 10mm.

Packaging

SUPER PLAST COL-25 is available in 50kg bag.

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +35ºC. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.

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