TECHNICAL DATA SHEET

SUPER PLAST G20

Gypsum Based Pre-Mixed Plaster

Description

SUPER PLAST G20 is a pre-mixed plaster based on Hemi-hydrated gypsum. It is suitable for internal plastering by machine or manual application.
SUPER PLAST G20 is specially designed for use onto all types of masonry backgrounds from aerated to dense concrete block work. It combines ease of application with a smooth and aesthetic finish coat.
SUPER PLAST G20 consists of a blend of hemi-hydrated gypsum combined with special fillers and chemical additives as improving agents, making it suitable for one-coat application up to 20mm thickness.

Features & Benefits

- Easy to mix and apply, just add water.
- Pre-packed in the factory. Quality controlled
- Applied in a single layer
- High quality, fire retarded smooth finish
- Low weight (30% lighter than cement plaster)
- High workability
- Good non-sag properties
- High water retention, gives enough time for finishing
- Eco-Friendly, low emissions
- Breathable

Uses

SUPER PLAST G20 is used as an ideal smooth finish layer before painting, decorative plasters and wall papers for internal use only.
It is recommended for plastering on cement blocks, aerated blocks, ceilings, bricks, plasterboards and all types of cement surfaces.
SUPER PLAST G20 is suitable for use within residential and commercial buildings, hospitals, hotels, office buildings, barracks and all other rooms with standard air humidity conditions.
It can be used as base coat plaster in a thickness up to 20mm.

Technical Properties

Appearance	White Powder
Dry Density	1,400 Kg/m^3 approx.
Wet Density	1,600 Kg/m^3 approx.
Workability time	40 minutes @ 25 ^{o}C
Compressive Strength	3.5 N/mm^2 @ 28 days
Adhesion to surface	≥0.15 N/mm^2 @ 28 days
Reaction to Fire	A1 Classification
Application Temperature	5 – 35 ^{o}C

All values are subject to 5-10% tolerance

Standards Compliance:

- EN 13279-2
- BS EN 1015
- ASTM C387, 28, 35, 207 type N
- BS 890, 5492, 1191

Application Procedures

Surface preparation:

The substrate should be free of loose particles, dust, dirt, grease, oil, curing agents or paint. Absorbent and porous substrates should be moistened with water prior the application of SUPER PLAST G20.
In case of AAC light-weight block, fare face concrete or polystyrene surfaces, a spatter dash slurry coat SUPER RUSH S should be applied in a thickness of 2-3mm 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 G20.
Saturate the surface with water, any excess water should be removed before plaster application.
Do not apply SUPER PLAST G20 on surface exposed to movement, vibration or mechanical impacts.

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Mixing Instructions:

Add **SUPER PLAST G20** bag of 40kg into a container of 15-15.5 liter of clean water, mix until a uniform lumps free consistency mix achieved. For that, use low speed mechanical mixer (200-300 rpm) with a suitable mixing paddle.
In case of application by using spry machine, adjust the water level to get suitable mix viscosity with uniform consistency.

Application Instructions:

SUPER PLAST G20 can be applied manually using a smooth steel trowel or by spray machine direct on the block surface in single coat of a thickness of up to 20 mm. When area has been covered to the desired thickness, lightweight leveling tools are used in conjunction with a trowel to fill in hollows. The plaster, once sufficiently stiff, should once more be given a final smoothing to remove any high points or undulations. After applying the plaster let to dry for about 30 minutes (when the plaster is setting), use a sponge float and bring the surface plaster to a cream suitable for toweling to a very smooth finish. **SUPER PLAST G20** does not required any curing with water, do not apply any top coat before **SUPER PLAST G20** layer dried completely.

Yield/ Coverage

15-16 kg of **SUPER PLAST G20** will cover 1 m^2 at thickness of 10mm.

Packaging

SUPER PLAST G20 is available in 40kg 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 6 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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