

TECHNICAL DATA SHEET

Dalmia Magic Premium Skim Coat - A Strong Foundation For Your Wall Paint

Description

Dalmia Magic is a versatile cement based microtexture with a unique natural tone, surface finish solution that is suitable for most surfaces - be it plastered surface and concrete surface. It can be applied both internally and externally on both vertical wall surfaces and horizontal ceiling surfaces.

It can be built up to 1-2 mm thicknesses without cracks and can be finished to a matt or glossy finish. Dalmia Magic has been tested at Singapore Housing Board's accredited laboratory in Singapore and conforms to the Singapore HDB specs and also the European Standards BS: EN 998-1.

Characteristics/Advantages

- Emulates natural tone like light pink or sandstone colour.
- Can be developed to a lustrous and smooth surface which can be left unpainted.
- Textured finish can be obtained by the use of texturing tools/rollers as per the local practice.
- Paint can be applied with or without primer.
- Prevents hair crack caused by material shrinkage.
- Suitable for all type of cementitious surfaces or cement fiber boards.
- Water resistant
- Excellent workability.
- Self-curing due to high water retentive property.
- Reduces use of paint on surface.
- Resists growth of algae and fungus.
- Provides high and unique coverage.

Added advantage: Fire Resistance

Dalmia Magic Premium Skim Coat satisfies best in class fire resistance category i.e CLASS A as per ASTM E84.

ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials, a method for determining the comparative surface burning behaviour of building materials.

Surface Preparation

The surface should be made clean and free from dust, dirt and foreign materials using suitable sandpaper, blade, wire brush and clean water. There should not be any mildew or algae on the surface. Voids and cracks on the surface should be repaired prior to the cleaning of the surface. Absorbent substrates must be pre-wetted to saturated surface dry (SSD) conditions. For new masonry plaster surfaces, 28 days of curing is recommended before application.

Mixing

For 1 kg of Dalmia Magic, 400-450 ml water is required. For better consistency and results, it is recommended that mechanical mixture/stirrers must be used. Water should be added incrementally and mixing should be continued until a uniform consistent paste is achieved.

TECHNICAL SPECIFICATION

Property and Unit	Dalmia Magic Premium Skim Coat*	As per the Singapore Housing Development Board	Specification
Compressive strength time (28 days) - N/mm²	8.4	>=6	Values confirm to the requirement of BS EN 998-1:2003
Initial setting time - minutes	245	< 360	
Final setting time - minutes	315	< 500	
Tensile adhesion strength (14 days) - N/mm²	0.9	0.8	
Water retentivity (%)	99.9	>95	

*Typical values tested at HDB accredited 3rd party Lab at Singapore (the only skim coat in India).

Application

- Apply the first coat on the moistened surface evenly with the help of flat trowel or Putty blade.
- Allow the first coat to dry for minimum 4-5 hours in hot condition and 8-10 hours in cold/winter condition.
- Apply the second coat and allow it to dry. After drying the second coat, remove any type of marks with the help of moist sponge and rub surface very gently with the help of blades.
- Although it is not essential to rub the surface done while using Dalmia Magic Skim Coat, however it is important to remove unevenness before applying any kind of paints or coatings using emery paper (size should not exceed 400 micron)
- Finished surface shall be allowed to dry completely.
- The total thickness for the above 2 coats should be between 1-2 mm.
- Thickness building: The versatility of the Dalmia Magic allows the maximum thickness per coat should be 2 mm, be allowed to dry before applying the second, third coat etc. to build up the thickness.

Coverage Estimates

For 1-1.5 mm thickness, 12-15 sq.ft./kg depending on the quality of the applied substrate, based on application and weather conditions.

Precaution

Although Dalmia Magic Skim Coat does not contain any toxic material, it is advisable to wear suitable protective clothing, gloves and eyes/face protection. In case of contact with skin and eyes, please rinse immediately with plenty of clean water and seek medical advice if required. Keep the product out of reach of children.

Storage and Shelf Life

Should be stored in a dry place and protected against moisture. We recommend that the storage time should not exceed 6 months from receipt of delivery. Storage beyond the date specified does not necessarily mean that the material is unusable, but the user should perform a quality check on the properties necessary for the intended application.

Packaging

Available in 30 and 40 kg bags

Additional Information

The information supplied in the data sheet is based on the outcome of extensive in-house research and development. We reserve the right to update this information from time to time without prior notice. We guarantee the consistent high quality of our product, however since we have no control over site conditions or the execution of the work at site, we accept no liability for any loss or damage which may arise as a result thereof.

