



MAGNICRETE

GERMAN TECHNOLOGY - INDIAN PRIDE



MAGNISILK

FOR SILKY WALLS

stronger, durable, beautiful !

MAGNISILK



**READY TO USE
JUST ADD WATER**

- Better adhesiveness and durability
- Gives a smooth and glossy finish surface
- No need to apply any kind of primer
- Paint or distemper can be applied directly
- It can be applied on interior and exterior surface
- Prevents the growth of algae and fungi on walls
- Higher tensile adhesion strength
- Extra protection to wall from moisture
- Smoother surface with savings in paint/ distemper

MAGNICRETE FOR MAGNIFICENT BUILDINGS



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MAGNISILK

FOR SILKY WALLS

“MAGNICRETE-MAGNISILK” for Silky Finish Walls – Freedom from Flaking and Saving on Paint. “MAGNISILK” is a water-resistant white cement-based dry mix powder which provides a strong base on concrete and plaster both on Internal and External surfaces and ceilings. It is applied after plaster and before painting of the wall. It fills the fine pores of the walls and ceilings, thereby providing a white, smooth and dry surface for painting. Being water resistant it provides a protective base to surfaces which prevents expensive paint from flaking.

- “MAGNISILK” has been formulated with specially designed best in class imported Polymers and Additives for providing more adhesive strength which provides a strong base, ensuring a longer life for the painted surface. It does not require water curing and it can even be applied on freshly plastered wall thus resulting in savings of time and cost. During repainting, the surface done up with “MAGNISILK” requires minimum scrubbing thus eliminating the mess of dust, which is a health hazard especially for asthmatic patients.
- Generally Primer is not required after application of “MAGNISILK” before Painting which reduces the time and cost of the additional application process. If applied properly there is substantial increase in the coverage of paint due to “MAGNISILK” water resistance properties and high quality.
- Its superior quality ensures that it meets the global standards of HDB, Singapore.

About Magnicrete Products

Products under MAGNICRETE brand are produced in a State-of-the-Art Plant at Rajasthan in India with German Technology. It is one of its kind, most modern Dry Mix Plant of latest technology in the world with a capacity of more than 160K MT per annum.

The plant is fully automatic including the raw material handling system, mixing of various raw materials to the finished products loading system and truck loaders. Fully computerised without any or least manual intervention. The plant is equipped with very high efficiency mixers and choppers for thorough and uniform mixing of ingredients with high precision, even with dosages as low as 0.01%.

The plant operation runs automatically through most advanced Supervisory control and data acquisition (SCADA) System, through PLC in a close loop system of software and hardware elements. This allows to control processes, monitor and process real time data through directly interacting with equipments and devices like sensors, screws, motors etc., which effectively reduces the chances of manual operating errors and enable to produce world class quality Dry Mix products with precision and consistent quality for Magnificent buildings.

The plant is supported by in-house research and development centre of international standard, fully equipped with excellent laboratory facilities including prototype German dry mix plant, for all critical and important quality tests.

It is run and managed by well experienced senior professionals having proven work experience in the industry.

Method of Application

SURFACE PREPARATION

- Before applying "MAGNISILK" remove all loosely adhering material from the wall surface with the help of sand paper, putty blade or wire brush. The substrate should be clean, free from dust, grease and loose materials. Moisten the wall with sufficient quantity of clean water..

MIXING

- Mix "MAGNISILK" with 36-40% clean water slowly to make a paste. It is very important that water be added to putty to make a mix and not vice versa. Continue the mixing for 10-15 minutes till a uniform paste is formed. It is very important that the mixing of "MAGNISILK" should be done thoroughly preferably with mechanical mixer. This will help in easy application, obtaining more coverage and smooth uniform shade. Only prepare a quantity which can be used within 2-3 hours of mixing with water.

PRE WETTING OF SUBSTRATE

- It is very important and essential that the surface is wet thoroughly before the application of "MAGNISILK". The surface should be wet during application. This ensures higher bonding strength, easy workability & higher coverage with the surface.

APPLICATION OF "MAGNISILK" ON THE SURFACE

After thoroughly mixing "MAGNISILK", apply the first coat on the moistened wall surface from bottom to upward direction uniformly with the aid of putty blade. This would ensure minimum wastage and proper finish.

- After drying of first coat of "MAGNISILK" just rub the surface gently with wet sponge or very gently with the putty blade in order to remove the loose particles.
- Allow the surface to dry for at least 3 hours and then apply second coat of "MAGNISILK". Leave the surface to dry completely.
- After drying of second coat remove any type of marks with the help of moist sponge or rub the surface very gently with the putty blade.
- Leave the surface to dry, preferably overnight / 10-12 hours. Always prepare a required quantity of "MAGNISILK" and use it within 2-3 hrs. of mixing with water.
- The total thickness of the coats should be limited to maximum 1.5 mm.
- It is not necessary to rub the surface done with "MAGNISILK". However, if at all there is a need to remove unevenness before applying any kind of paint/distemper, gently level the surface with very fine water proof emery paper of not less than 300 number to get a glossy white surface.

PRECAUTIONS DURING USAGE

Mixing of the "MAGNISILK" is very important. Hence extreme care is to be taken for proper and thorough mixing. It should be preferably mixed with mechanical stirrer in order to get best results. Mixing is to be continued till a uniform paste is formed. It is very important that during mixing the required amount of water should be added incrementally to "MAGNISILK" and not vice-a-versa. (Do not add "MAGNISILK" into water).

- "MAGNISILK" should be always applied over wet surface.
- It is recommended not to rub the surface done with "MAGNISILK" strongly and harshly with rough emery paper. This breaks the film formed over it which decreases the water repellency properties. It is recommended to use Emery Paper above 300 Number.
- In case of fresh concrete/ mortar surface it is recommended that two coats of Magnishine-XL be done before application of "MAGNISILK".

COVERAGE

- The coverage area of "MAGNISILK" on smooth normal mortar wall is 20.0 Sq.Ft. /Kg (+/-10%) in two coats. The coverage area, however, will depend upon the nature of the substrate.

Note: Generally, the cause of efflorescence on the wall surface is the brick masonry or Plastered Surface, which is due to the salt in water used or bricks and sand. If the effect of efflorescence is very high on the brick masonry then proper care should be taken to control the efflorescence. The efflorescence on brick masonry if allowed to exist will impair the bonding of the "MAGNISILK Putty" as is with any other product.

SHELF LIFE/ STORAGE

MAGNISILK" should be stored in a dry place. For best results use it within 6 months from date of manufacture.

Precautions during usage

- Though it contains non-toxic materials but still care should be taken to avoid dust inhalation while mixing and handling. In case of contact with eyes or mouth, wash with plenty of clean water.
- Keep it in a dry place and out of reach of children
- Persons who are allergic to cement/cement products should take proper precautions before use.

SIGNIFICANT BENEFITS OF "MAGNISILK"

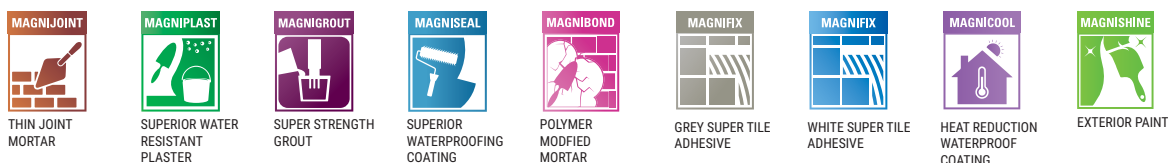
- Being a cementitious material, it has better adhesion and durability with the concrete and mortar walls.
- Doesn't need any kind of primer on it before application of paint / distemper thus saving time & cost.
- Can be applied on both interior and exterior surfaces
- Gives a smooth, white & glossy finish surface.
- Effectively reduces the consumption of subsequent Paints & gives true tone of colour.
- It is in dry powder form and does not produce any kind of unpleasant smell at the time of application.
- It is Eco-Friendly. It does not contain lead, oil or toxic material.
- No water curing is required after application thus saving time & cost.
- Is water resistant and can be applied on moist surfaces.
- Accepts any kind of paint or distemper application on it.
- Can be applied on used surface after proper preparation.
- It prevents the growth of algae and fungi on walls.
- Silky finish to walls/ surfaces

TECHNICAL SPECIFICATIONS

PROPERTY	MagniSilk Silky Finish	as per HDB, Singapore For Reference	Test Method
TENSILE ADHESION STRENGTH (N/MM ²) @ 28 Days After Accelerated Weathering	> 1.0 > 0.9	> 0.8	EN 1348
COMPRESSIVE STRENGTH @ 28 DAYS (N/MM ²)	> 10	9 – 12	BS 4550 EN 1015-11
SETTING TIME, MINUTES INITIAL FINAL	> 100 < 500	> 90 < 500	EN 196
WATER ABSORPTION COEFFICIENT Kg/M ² .H1/2	< 1.0	DIN 52617
WATER CAPILLARY ABSORPTION @ 24 HRS/MI	0.8	KARSTEN TUBE
WATER RETAINIVITY (%)	> 98	> 95	EN 196
Packaging	MAGNISILK is available in 25 Kg BOPP laminated packaging.		

*Specifications are subject to change without notification in our pursuit of product improvement. Kindly contact our Technical Personnel for any clarification. Results mentioned in the above table are Typical and under standard conditions stipulated as per the codes. #Temperature: 27°C; Relative Humidity: 65+5°C unless and until mentioned otherwise

OTHER MAGNICRETE PRODUCTS



STORE DRY



DON'T USE HOOKS



DON'T INHALE USE MASK



USE SAFETY WEAR

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