



MAGNICRETE
GERMAN TECHNOLOGY - INDIAN PRIDE



MAGNIFIX

GREY SUPER TILE ADHESIVE

strong & effective bonding !



MAGNIFIX

**READY TO USE
JUST ADD WATER**

- Ready to use, single component product
- Strong & quick fixing of tiles
- Negligible water absorption
- Excellent tensile adhesion strength, low on shrinkage
- Higher bonding and tensile adhesion strength
- Adheres to global standards & specifications
- Better floor & wall surface finish
- Suitable for interiors & exteriors
- Suitable for floor and wall tiles

MAGNICRETE FOR MAGNIFICENT BUILDINGS



MAGNIFIX

GREY SUPER TILE ADHESIVE

“MAGNICRETE-MAGNIFIX” is a high-performance cement based, polymer modified, flexible tile adhesive. It is fast setting, specially formulated and designed to suit Indian environmental conditions complying with EN 12004 Type C2F S1 standard. It is suitable for a bed thickness of 3 – 6 mm, interior and exterior floor and wall applications. While it is mainly used up to 3-5 mm bed thickness, however it can be suitably used for a thickness up to 12mm wherever required.

“MAGNIFIX” can be used for areas which are totally immersed in water e.g. swimming pools and wet rooms. The product is recommended for fixing ceramic, fully vitrified tiles, marble, granite, natural stone and mosaics to a variety of cementitious substrates including those subjects to minor movement/vibration.

“MAGNIFIX” uses the thin bed tile fixing method for a faster and lasting tile installation.

Features and Benefits:

Suitable over concrete, cement renders / plasters, screeds, fibrous cement sheeting, plasterboard & “MAGNIFIX” approved waterproofing membranes. “MAGNIFIX” conforms to EN 12004:2007, EN 12002, ANSI A118.4

- “MAGNIFIX” is premixed and ready to use. Only water is to be added at site
- It can be used for both Interior and Exterior tiles fixing
- High Tensile Adhesion strength resulting in stronger grip and durability
- Self-Curing and Sag Resistant
- Effortless Mixing, Ease of Spread resulting in higher output
- Greater workability due to long pot life and extended open time
- Ease of workability & higher coverage leads to higher productivity.

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

- The surface should be sound, clean, and free from dirt, loose material, chemical, oil, grease and other contaminants before application of "MAGNIFIX".
- Pre-wet the cementitious substrate and ensure that the substrate is in saturated and surface dry (SSD) state prior to the application of "MAGNIFIX".
- Concrete screeds, plastered surfaces, block work and renders should be sufficiently cured to avoid shrinkage cracks. Substrates should be in plumb and or in slope before application of adhesive.
- Roughen the surface or provide mechanical support for higher span tiles or very high grade of concrete to ensure proper bonding, if required.
- It is very important to clean the tile to remove any contaminant that may reduce the bond strength.

MIXING

- Take a plastic or metal pan containing clean and potable tap water, pour sufficient amount of "MAGNIFIX" that can be used within the pot life of upto 120 minutes.
- Water demand is typically 27~30%, depending on the surface and application conditions.
- Take 15-20% water initially and wet the sides of the pan to reduce the chances of material sticking to the pan. Mix and add remaining quantity of water gradually to ensure a lump free creamy paste.
- Let the paste stand for 5 minutes to mature and re mix to ensure proper dispersion of the mix.
- Use of mechanical stirrer is preferred for lump free and homogenous mix. Take smaller quantity of "MAGNIFIX" to ensure lump free paste in case of manual mixing.
- It is always advisable to use a hand mixer for proper mixing and Hand mixing is recommended only for small quantities.
- Mix as much quantity as can be consumed in 90 to 120 minutes. Protect the mixed material from direct sunlight to avoid rapid moisture loss and prolong the pot life.

APPLICATION

- Apply "MAGNIFIX" adhesive paste on substrate with plain side of notch trowel. Comb with notch trowel. Notch trowel is to be selected as per required bed thickness. Generally notch size recommended is 3-5 mm however the nature size will depend on the thickness of the adhesive to be spread over the application area for optimum bonding between the tile and the substrate.
- Firmly press the tile into the adhesive to ensure good initial bonding.
- Spread as much adhesive paste as can be tiled within 30 to 45 minutes.
- Start placing/fixing of tiles & tap using beating wooden block or rubber mallet.
- For large format tiles & stone it is advisable to Butter the back of the tile along with the substrate with the adhesive covering the whole of the tile for firm bonding.
- 100% contact of tile and the substrate is to be ensured. Carry out random checks to determine whether the back of the tile is fully covered with adhesive or not.
- In order to ensure that open time has not lapsed, check if the tile adhesive mortar still adheres to finger if moved on the application area in order to avoid bonding failure.
- Discard the mixed material if the open time has been elapsed.
- Do not mix fresh and discarded material under in any circumstances.
- Once fixed, the tiles are advised not to be disturbed till the material has gained sufficient strength. The tiling is ready for grouting within 24 hours of application.

CONSUMPTION

- For 3 to 5 mm bed thickness the coverage will be approximately 4-4.5 Kg/m². The coverage however may vary depending on surface & working conditions.

CLEANING & SAFETY

- Remove excess mortar on tools and tiles using clean water. Before it hardens and difficult to dislodge.
- "MAGNIFIX" is non-toxic, however, as with any cementitious material, avoid prolonged contact with skin and dust inhalation.

TECHNICAL SPECIFICATIONS

| Parameter | Unit | Typical Value |
|---|--|----------------------|
| Bulk density | kg/ltr | 1.3~1.4 |
| Water demand | % | 27~30 |
| Pot life | Minutes | 90~120 minutes |
| Open time | Minutes | 30~45 minutes |
| Coverage (using 5 mm notched trowel) | kg/ m ² | 4-4.5 |
| Ready for grouting (on walls) | Hours | 6~8 |
| Ready for grouting (on floors) & light traffic | Hours | 24 |
| Pull off Adhesion Strength @07 Days @14 Days @ 28 Days | N/mm ² | 1.14 1.22 1.39 |
| Compressive Strength @ 07 Days @ 28 Days | N/mm ² | 6.3 8.1 |
| Packaging | MAGNIFIX is available in 25 Kg BOPP laminated packaging. | |

SHELF LIFE & STORAGE

- Store in a cool and dry place. Ensure that the bags does not burst or tear while handling. There should be a gap of 0.5 m from the walls to the stacks.
- "MAGNIFIX" will remain usable for a period of six months (6 Months) from date of manufacture when stored as per standard recommended conditions.

*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



THIN JOINT MORTAR



SUPERIOR WATER RESISTANT PLASTER



SUPER STRENGTH GROUT



SUPERIOR WATERPROOFING COATING



POLYMER MODIFIED MORTAR



PUTTY FOR INTERIOR & EXTERIOR WALLS



HEAT REDUCTION WATERPROOF COATING



EXTERIOR PAINT



MAGNICRETE
GERMAN TECHNOLOGY - INDIAN PRIDE



STORE DRY



DONT USE HOOKS



DONT INHALE USE MASK



USE SAFETY WEAR

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