

TILEGRIP T30

Polymer Modified Thick Bed Floor Tile Adhesive Up To 30 mm

Description:

TILEGRIP T30 is a polymer modified, waterproof powder adhesive composed of Portland cement, with graded aggregate, sand, synthetic resin and special additives formulated in a way to obtain excellent characteristics of workability and adhesion. The product is designed mainly to be used for floor tiling when large, heavy tiles are used or when thick bedding under tiles is required.

Uses:

TILEGRIP T30 is ideally designed to be used as:

- Thick bed floor tile adhesive.
- To install large size and /or heavy weight tiles when mixed with ELASTOGRIP.
- Natural stone laying on substrates with irregularities up to 30 mm without the need of pre-levelling the floor.

Advantages:

- High adhesion bond to substrates.
- High strength adhesive which makes it ideal for laying large granite tiles and natural stone.
- High elasticity to accommodate large size tile marble and porcelain.
- Compatible with all types of cement substrates and tiles.
- High workability and engineered pot life.

Instructions for Use:

Surface Preparation:

All surfaces must be clean, sound, compact, free from dust, laitance, oil, grease, curing compound and substances which can cause separation. Concrete supports should be allowed to cure sufficiently so that all shrinkage movements take place before fixing tiles. Before applying the product, moisten the surface with clean water to reduce the absorption of water from the mortar. In case of dusty concrete slab, wash the surface with clean water, then sweep off the excess water.

Expansion joints shall be provided through the tile flooring to follow all construction or expansion joints in the substrate.

Mixing:

Pour 5.25 to 5.5 liters of clean water in a container and add slowly the content of 25 kg bag of TILEGRIP T30. Mix carefully with a mechanical mixer at low-speed (200 - 300 turns per minute) till a uniform lump free consistency is achieved. Allow the mix to rest for about 3 minutes and then remix before application.

Before placing the adhesive mortar, apply a slurry bond coat made from diluted MEGABOND SBR (bonding agent) mixed with sand and cement. Refer to the Data Sheet of MEGABOND SBR. While the slurry bond coat is tacky, spread the mortar and lay the tile.

Application:

Apply TILEGRIP T30 with a toothed spatula, spreading the first pass with its straight edge and then a second pass immediately after, to the desired thickness using the toothed part. Place the tiles onto the adhesive bed. Apply sufficient pressure on the tile during fixing with slight twisting movement in order to ensure good contact with the mortar.

Apply enough material that can be tiled during the adhesive's open wet time. Spreading large areas may result in drying the adhesive before tiles can be fixed causing poor adhesion. Remove excess adhesive with a damp cloth before it dries. Joints grouting between tiles may be commenced after 24 hours. Porosity of tiles and substrates has significant effect on adhesive strength. Porous tiles absorb the gauging water from the adhesive preventing complete curing of the mix. Consult with MATEX Technical Department for any further recommendation based on the type of the used tile.

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Standards:

- EN 12004 – C1, EN 1346, EN 1348
- ISO 13007-C1

If mixed with ELASTOGRIP:

- EN 12004-C2T

TECHNICAL PROPERTIES	
Appearance	Grey powder
Wet Density	1.75 ± 0.03 kg/lit
Dry Density	1.60 ± 0.03 kg/lit
Adjustable time	40 minutes
Open time @ 25°C	>25 minutes
Grouting Time	24 hours
Final Hardening	14 days
Set to light foot traffic	After 48 hours
Adhesion strength (EN 1348) Initial (28 days) After heat ageing After water immersion After freeze-thaw cycle	1.40 N/mm ² 1.05 N/mm ² 1.1 N/mm ²
Shear strength	1.65 N / mm ²
Water Resistance	Excellent
Water Absorption (when mixed with ELASTOGRIP) (EN 13888)	<5%
V.O.C.	2.00 g/l

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

The consumption depends on the surface profile and tile size. As general guide the average consumption notched trowel application is as follows:

Solid bed : 1.75 Kg/m² per 1mm thickness
Yield : 17.3 Ltr. for 25 Kg bag

*Consumption will vary according to the type of tiles and support conditions.

Packaging:

TILEGRIP T30 is available in 25 kg clean, recyclable paper bags.

Storage:

Store in original packing in dry conditions away from direct sunlight and high humidity levels

Shelf Life:

TILEGRIP T30 can be utilized within 12 months of production date if stored in proper conditions in an unopened original packing.

Cleaning:

Clean tools with water before the product dries. Hardened materials can only be removed mechanically.

Remarks:

- It is always recommended to submit tile sample for MATEX technical department to confirm the compatibility of adhesive with tile.
- Should not be applied onto surfaces likely to suffer from rising dampness or moisture content.
- For fixing tiles on tiles, mix TILEGRIP T30 with ELASTOGRIP instead of water.
- Should not be applied when temperature is less than 5°C.
- Do not apply TILEGRIP T30 in rainy weather, high winds and sand storms.
- During summer season, working area should be covered to prevent the direct sun effects on the mix. Keep equipment in shaded area and use cold water for product mixing
- Do not use TILEGRIP T30 on metal or non-absorbing surfaces.
- Adhesives and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes.

Health and Safety:

Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

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FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to
TILEGRIP T30 Material Safety Data Sheet.

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