

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, well 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.

Applications:

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 at substrates with irregularities up to 30 mm without the need of pre-levelling the floor.

Advantages:

- High adhesion bond to substrates.
- High compressive 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.

Application should be done only on damp surfaces. Expansion joints shall be provided through the tile flooring to follow all construction or expansion joints in the substrate.

Mixing:

Pour 5 to 5.25 liters of clean water in a container and add slowly the content of 25 kg bag of TILEGRIP T30. Mix carefully with a mechanic mixer at low number of turns (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.

In case of applications on floors exposed to remarkable vibrations, floors exposed to high temperature variations, big tiles, applications where high elasticity for tile adhesive is required, TILEGRIP T30 should be mixed with ELASTOGRIP as total or partial substitute of the mixing water.

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.

Before placing the adhesive mortar, apply a slurry bond coat made from diluted MEGABOND ACR mixed with sand and cement (for more information on slurry bond coats refer to the Data Sheet). While the slurry bond coat is wet, spread the mortar and lay the tile.

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

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strength of tiles. Porous tiles absorb the gauging water from the adhesive preventing full reaction of the mix to cure properly. Consult with MATEX Technical Department for any further recommendation based on the type of the used tile.

Standards:

TILEGRIP T30 conforms to:

- EN 12004 – C1E, EN 1346, EN 1348
- ISO 13007-C1E
- ANSI A 118.6

TECHNICAL PROPERTIES	
Shear strength	: 1.65 N / mm ²
Grouting Time	: 24 hours
Flexural strength (when mixed with ELASTOGRIP)	: 2.0 N / mm ²
Density	: 1.95 Kg. / Lt.
Open time @ 25°C	: 35 minutes
Adjustable time	: 40 minutes
Adhesion strength	: @ 28 day 1.40 N/mm ² after heat 0.80 N/mm ² after water immersion 1.1 N/mm ² after Freeze-thaw cycle 1.0 N/mm ²
Adhesion strength (when mixed with ELASTOGRIP)	: 2.0 N / mm ²
Set to light foot traffic	: After 48 hours
Final Hardening	: 14 days
Water Resistance	: Excellent
Compressive strength (when mixed with ELASTOGRIP)	: 30 N / mm ²
V.O.C.	: 0.00 g/l
Water Absorption (when mixed with ELASTOGRIP)	: <5%

Packaging:

TILEGRIP T30 is available in 25 kg bag.

Coverage:

TILEGRIP T30 achieves coverage of 6.0 square meters per bag @ 3 mm thickness of application.

Cleaning:

Clean with water before the product dries.

Shelf Life:

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

Remarks:

- Should not be applied onto surfaces likely to suffer from rising dampness or moisture content.
- Use TILEGRIP WP adhesive for installing green marble, crystalline Carrara marble or water sensitive natural stone.
- Should not be applied when temperatures 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.
- The product should not be exposed to moving water during application.

Health and Safety:

- Use goggles and gloves during application.
- Do not breathe vapor of products. Use only in well ventilated areas.
- Avoid contact with eyes or skin.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

