

# 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 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 at 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.

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.

#### 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 to cure properly. Consult with MATEX Technical Department for any further recommendation based on the type of the used tile.

# TILEGRIP T30

## Standards:

TILEGRIP T30 conforms to:

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

If mixed with ELASTOGRIP confirms to:

- EN 13888-CG2 AW

TECHNICAL PROPERTIES	
Appearance	: Grey Powder
Wet Density	: 1.85 Kg. / Lt.
Dry Density	: 1.6 Kg. / Lt.
Adjustable time	: 40 minutes
Open time @ 25°C	: 35 minutes
Adhesion strength @ 28 day	:
Initial	1.40 N/mm <sup>2</sup>
Heat Ageing	0.80 N/mm <sup>2</sup>
Water immersion	1.1 N/mm <sup>2</sup>
Freeze-thaw cycle	1.0 N/mm <sup>2</sup>
Adhesion strength (when mixed with ELASTOGRIP)	: 1.8 N / mm <sup>2</sup>
Shear strength	: 1.65 N / mm <sup>2</sup>
Water Resistance	: Excellent
Water Absorption (when mixed with ELASTOGRIP)	: <5%
Grouting Time	: 24 hours
Final Hardening	: 14 days
V.O.C.	: 0.00 g/ℓ
Set to light foot traffic	: After 48 hours

## Packaging:

TILEGRIP T30 is available in 25 kg bag.

## Coverage:

Solid bed : 1.9 Kg/m<sup>2</sup> per 1mm thickness  
Yield : 15.9 Ltr. for 25 Kg bag

## Cleaning:

Clean tools 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:

- It is always recommend 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.
- Use TILEGRIP T30 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.

