

# TILEGRIP MT

## Mosaic and Glass, Tile Adhesive & Grout

### Description:

TILEGRIP MT is a high performance, mold resistance, waterproof, bright white cementitious adhesive and grout with vertical slip resistance and extended open time designed to installing sheet-mounted mosaic for glass and marble mosaic. It is a particular fine white powder composed of cement, graded aggregates, high organic polymer content and special additives.

TILEGRIP MT is a formulated with high flexibility and waterproofing characteristics to withstand the movement and vibration of mosaic tiles and to act as a water and frost resistant tile adhesive. It bonds to dry areas of most types substrates including rendered surfaces, plaster board, old glazed tiles, AAC block and emulsion paint walls.

### Applications:

TILEGRIP MT is suitable for use in kitchens, bathrooms and outdoor areas subject to frequent and prolonged water exposure and for domestic shower walls and glass tile backsplash installations when applied using a solid adhesive bed. It is used as adhesive, as well as, joint grout in the same application for installing Mosaic and glass tiles for interior and exterior floor and wall tiles.

TILEGRIP MT mixed with ELASTOGRIP can be used for:

- Installing glass mosaic or ceramic tile on non-absorbent surfaces.
- Installing glass mosaic or ceramic tiles in swimming pools, basins or similar structures even on absorbent substrates.
- Submerged installations (pools, fountain, water features)

### Advantages:

TILEGRIP MT when mixed with water, becomes a mortar with the following features:

- Excellent adhesive to most conventional materials used in building.

- Highly thixotropic. Mosaic tiles can be installed from the top towards the bottom without using spacer pegs.
- Particularly extended open and adjustability time, making installation easier.
- Non sag performance: Great for sheet-mounted mosaics where final alignment is critical
- Bright white color enhances the appearance of transparent or translucent glass or stone tile.
- Can be mixed with ELASTOGRIP (instead of water) for increased performance and installation of tiles in submerged applications.

### Instructions for Use:

#### Surface Preparation:

All substrates should be structurally sound, stable, dry, clean, and free of any substance or condition that may reduce or prevent proper adhesion. Before Applying TILEGRIP MT, moisten the cementitious substrate with clean water to reduce the possible absorption of water from the mix.

#### Mixing:

Place 4.0 – 4.25 liters of cold, potable water (or ELASTOGRIP as needed) into a clean mixing bucket. Add slowly 20 kg bag of TILEGRIP MT under continuous mixing till a uniform lump free consistency mix is achieved. For mixing process, a slow speed drill (200- 300rpm) fitted with a suitable paddle is recommended. Allow the obtained mix to stand for 5 minutes and then remix before application. If mixture becomes heavy within one hour remix without adding more water.

#### Application:

Consult the glass tile manufacturer's specification to verify product suitability for specific installations and installation procedures.

Choose a typical notched trowel with sufficient depth to achieve mortar contact to both the tile and substrate. Glass mosaic installations require 100% continuous coverage between tiles and substrate (ANSI A108.5 specifications).

# TILEGRIP MT

Spread TILEGRIP MT on the substrate to a uniform thickness of 3 mm using the flat side of the spatula, the first pass with its smooth part and the second pass, immediately after, to the desired thickness using the toothed part.

Place the tiles firmly 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 only as much mortar 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. Open time can vary depending on weather and site condition.

For the installation of sheet-mounted glass and marble mosaics, after using light pressure to establish contact with the fresh mortar, light pressure to establish contact with the fresh mortar, lightly tap the tile with a rubber-hammer. Remove all mortar from mosaic tile surfaces. Always start installing the mosaic sheet from top towards the bottom.

## Standards:

TILEGRIP MT conforms to:

- European EN 12004 C2T
- ANSI A 118.4 – 1999
- ISO 13007 – 2CTS1, ANSI 118.11  
(If mixed with ELASTOGRIP)

## Packaging:

Available in 20 kg recyclable paper bags.

## Consumption:

Approx. 3.0 to 4.5 Kg. / m<sup>2</sup> using notched trowel on smooth surface. Consumption will vary according to type of tiles and to support conditions.

## Storage:

Store in dry covered place in the original closed bags.

## Shelf Life:

12 months if stored as recommended.

## Health and Safety:

TILEGRIP MT is a cement-based product. Avoid contact with skin or eyes. Provide adequate ventilation and avoid inhalation of dust. Avoid contact with eyes or skin.

## TECHNICAL PROPERTIES

Color:	:	Bright White. Other colors upon request
Consistency	:	Creamy
Open Time	:	Approximately 25 mins.
Workable Time	:	60 minutes
Density	:	Dry - 1.40 Kg. / Lt. Wet - 1.6 Kg./ Lt.
Water Resistance	:	Excellent
Slip Resistance	:	Excellent
Adhesion Strength	:	
@ 28 days	:	1.6 N/mm <sup>2</sup>
after heat	:	1.4 N/mm <sup>2</sup>
after water immersion	:	1.1 N/mm <sup>2</sup>
after Freeze-thaw cycle	:	1.0 N/mm <sup>2</sup>
Shear Strength	:	1.85 N/mm <sup>2</sup>
VOC	:	0.0 g/ltr.

## Recommendations:

- It is always recommend to submit tile sample for MATEX technical department to confirm the compatibility of adhesive with tile.
- Floor and wall coverings installed with TILEGRIP MT must not be washed down or exposed to rain for at least 24 hours and must be protected from direct sunlight and frost for at least 5 – 7 days after the installation.
- Do not apply TILEGRIP MT on surface that has temperature less than 5°C or more than 35°C
- Basins and swimming pools can be filled with water after 14 days of applying TILEGRIP MT.
- While mortar is fresh, clean tools and tile with water.
- Glass tile may not be suitable over some of the substrates (such as plywood). Contact MATEX Technical Services Department for installation recommendations regarding substrates or conditions not listed.
- Do not use for moisture-sensitive stone such as green marble, red marble, black marble, some limestone, green granite, agglomerate tiles.
- To use directly over gypsum-based substrate, apply ARMOPRIME AC sealer before use.

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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.

