

# TILEGRIP WP

## Water Proof Polymer Modified Tile Adhesive

### Description:

TILEGRIP WP is a pre-bagged cement based, polymer modified tile adhesive. It is composed of Portland cement, organic polymer chemical additives and silica sand. Once cured it presents an excellent adhesion, water proofing features and durable fixing properties for ceramic tiles, porcelain, marble and natural stone.

TILEGRIP WP adheres perfectly to a variety of supports like: concrete, cement boards, cement blocks. TILEGRIP WP is suitable for internal and external application. It is waterproof and does not contain fiber, asbestos or any harmful ingredients.

### Applications:

- General areas like corridors and offices.
- Restaurants and shops with high foot traffic and extensive cleaning.
- Walls and floors of showers, bathrooms and kitchens.
- Swimming pools and water features.
- High freeze/thaw resistance.
- Indoor and outdoor application.
- Non-sag properties suitable for natural stone application on facades.
- Suitable for hot weather.

### Advantages:

- It can be used for all kinds of residential and commercial buildings.
- It is a high quality tile adhesive for fixing tiles on concrete substrates, floor screeds, cement plaster, renders, foam concrete, blocks and bricks.
- High bond to substrates.
- Combatable with all types of cement substrates.
- High workability and engineered pot life.
- Waterproofing features and elasticity.

### Instructions for Use:

#### Surface Preparation:

All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease. Ensure that concrete and block substrates are fully cured to accommodate all shrinkage factors.

For Gypsum surfaces, treat the surface with ARMORPIME AC before application of TILEGRIP WP.

Moisten the surface with clean water before applying the mixed product in order to reduce the absorption of water by the substrate from the mortar.

Inspect the porosity of tiles. For porous tile, it is necessary to mix TILEGRIP WP with ELASTOGRIP or moisten the backside of the tiles to eliminate the risk of water absorption from the mix.

#### Mixing:

Add the contents of TILEGRIP WP bag into a container of 5 to 5.25 liters of clean water. Mix with a suitable paddle attached to a slow speed drill (200–300 rpm) until a uniform, lump free consistency mix is achieved. Allow the mix to rest for about 5 minutes and then remix before application.

#### Application:

With a notched trowel, spread the mixed TILEGRIP WP to the substrate evenly and in sufficient quantity. Apply a second pass with the notched part of the trowel to even the distribution of the material. With pressure and twist movement fix the tile into the wet adhesive. Apply sufficient pressure on tile to ensure full contact between the back of the tile and the adhesive.

In cases of high movement and/or vibration such as application on precast panels replace the mixing water with ELASTOGRIP to ensure proper flexibility to accommodate the movement. Add ELASTOGRIP in place of gauging water diluted by ratio 1:1 with clean

# TILEGRIP WP

water, (remove half of water and add equivalent quantity of ELASTOGRIP.

When applying tiles of sizes larger than 40x40 cm, apply tile adhesive to the back of the tile in addition to the applied tile adhesive on the substrate.

Porosity of tiles and substrates have significant effect on adhesive strength of tiles. Porous tiles absorb the gauging water of the adhesive preventing full reaction of mix to harden properly. Consult with **MATEX** technical department and tile manufacturer, as some tiles require wetting and other tiles might require submersion with water before application.

Remove excess of mortar with damp cloth before it dries. Joints color grouting can be performed after 12 hours of tiling of walls and 24 hours of tiling of floors.

## Standards:

TILEGRIP WP conforms to:

- EN 12004 – C1T, EN 12004 – C2T

If mixed with ELASTOGRIP confirms to:

- ISO 13007- CIT, ISO 13007- C2S2
- A 118.4 - 1992

## Packaging:

Available in 25 kg recyclable paper bags.

## Coverage:

TILEGRIP WP achieves coverage of 5.50 square meters per bag @ 3 mm thickness of application.

## Cleaning:

Clean with water before the product dries.

## TECHNICAL PROPERTIES

Color:	: Grey, White
Shear strength	: 1.60 N / mm <sup>2</sup>
Water Resistance	: Excellent
Grouting time	: Walls: 12 hrs. Floors: 24 hrs.
Density	: 1.4 Kg. / Lt.
Open time at 25°C	: 30 minutes
Adjustable Time	: 45 minutes
Adhesion Strength	: @ 28 days 1.50 N/mm <sup>2</sup> fter heat 0.95 N/mm <sup>2</sup>
	after water immersion 1.30 N/mm <sup>2</sup> after Freeze-thaw cycle 1.0 N/mm <sup>2</sup>
Slip Resistance	: Excellent
VOC	: 2 g/L

## Shelf Life:

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

## Remarks:

- TILEGRIP WP should not be applied onto surfaces likely to suffer from rising dampness or moisture content.
- TILEGRIP WP Should not be applied at ambient temperatures less than 5°C.

## 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.
- In case of eye contact, flush thoroughly with plenty of water and seek immediate medical help.

MATEX Rev.01-1115

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.

