

TILEGRIP WR

Water Resistant Tile Adhesive

Description:

TILEGRIP WR pre-bagged cement based tile adhesive, enhanced with chemical additive, silica sand and selected sizes of aggregates to present good adhesion, workability and durable fixing properties for ceramic tiles, porcelain.

TILEGRIP WR adheres perfectly to a variety of supports like: concrete, cement boards and cement block. It is water resistance and does not contain fiber, asbestos or any harmful ingredients.

Applications:

- General areas like corridors and offices.
- Internal application for floors and walls of service areas.
- Wet areas like kitchens and bathrooms.
- Flooring for shops and malls.

Advantages:

- Good bond to substrates.
- Easily applied to tile and floor.
- Combatable with all types of cement substrates.
- High workability and engineered pot life.

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 for at least 28 days to accommodate all shrinkage factors.

For Gypsum surfaces, treat the surface with ARMOPRIME AC before application of TILEGRIP WR.

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 WR 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 WR bag into a container of 5 to 5.25 liters of clean water. Mix with 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 WR 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 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 for walls and floors, the addition of ELASTOGRIP will ensure proper flexibility to accommodate for the movement. Add ELASTOGRIP in place of gauging water diluted by ratio 1:1 with clean 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 8 hours of tiling of walls and 24 hours of tiling of floors.

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Standards:

TILEGRIP WR conforms to:

- EN 12004 – C1T, EN 12004 – C2T

TILEGRIP WR mixed with ELASTOGRIP confirms to:

- ISO 13007- CIT, ISO 13007- C2S2
- ANSI 118.1

TECHNICAL PROPERTIES

Color:	: Grey, White
Shear strength	: 0.7N / mm ²
Water Resistance	: Excellent
Grouting time	: Walls: 12 hrs. Floors: 24 hrs.
Density(wet)	: 1.4 Kg. / Lt.
Open time at 25°C	: 30 minutes
Adjustable time	: 45 minutes
Adhesion Strength	: @ 28 days 0.90 N/mm ² after heat 0.75 N/mm ² after water immersion 0.70 N/mm ² after Freeze-thaw cycle 0.80 N/mm ²
Slip Resistance	: Excellent
VOC	: 1 g/L

Packaging:

Available in 25 kg recyclable paper bags.

Cleaning:

Clean with water before the product dries.

Coverage:

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

Storage:

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

Shelf Life:

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

Remarks:

- TILEGRIP WR should not be applied onto surfaces likely to suffer from rising dampness or moisture contents.
- TILEGRIP WR Should not be applied at ambient temperatures less than 5°C.
- The product should not be exposed to running water, rain, high winds or sand storms during application.
- During summer season, cover the working area to prevent direct sun effect. Keep tools in shade and use cold water for mixing.
- Do not apply TILEGRIP WR on metal, wood or non-absorbing surfaces.
- For external application, mix TILEGRIP WR partially with ELASTOGRIP. Contact with MATEX technical department for proper 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.
- In case of eye contact, flush thoroughly with plenty of water and seek immediate medical help.

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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.

