

TILEGRIP WR

Water Resistant Cementitious Tile Adhesive

Description:

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

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.

Uses:

- Adhesive for ceramic tiles
- General areas like corridors and offices.
- Internal application for floors and walls of service areas.
- Flooring for shops and malls.

Advantages:

- Good bond to substrates.
- Easily applied to tile and floor.
- Compatible 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-acrylic based primer 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 5.0 to 5.5 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. Lift a tile from time to time to check that there are no voids beneath the tiles. DO NOT SPOT FIX.

In cases of high movement and/or vibration such as application on precast panels for walls and floors, the addition of ELASTOGRIP-latex additive, will ensure proper flexibility to accommodate for the movement, add ELASTOGRIP in place of water.

Porosity of tiles and substrates have significant effect on adhesive strength of tiles. Porous tiles or porous substrate 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 24 hours of tiling of floors.

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Standards:

- EN 12004-C1
- ANSI A118.1

If mixed with ELASTOGRIP:

- EN 12004-C2T, EN 1346, 1348
- ANSI A118.4

TECHNICAL PROPERTIES	
Appearance	Grey, White powder
Wet Density	1.62 ± 0.03 kg/lit
Consistency	Pasty
Application Temperature	+5°C to +40°C
Open time at 25°C (EN 1346)	20 minutes
Adjustable Time	45 minutes
Adhesion Strength (EN 1348) Initial Adhesion (28 days) After Heat Ageing (28 days) After Water Immersion (28 days)	0.85 N/mm ² 0.55 N/mm ² 0.51 N/mm ²
Shear Strength mixed with ELASTOGRIP (ANSI A118.4) 7 days 28 days	0.5 N/mm ² 1.4 N/mm ²
Slip Resistance	Excellent
Water Resistance	Excellent
Grouting time	Walls: 12 hrs.
	Floors: 24 hrs.
Service Temperature	-30°C to 90°C
VOC	1 g/L

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

The consumption depends on the surface profile and tile size.

Yield : 17.3 ltr for 25kg bag (mixed)

As general guide the average consumption notched trowel application is as follows:

Small tiles : 2 kg/m²
Medium tiles : 2.75 kg/m²
Large Tiles : 5 kg/m²

*Consumption will vary according to the type of tiles and support conditions.

Packaging:

TILEGRIP WR is available in 25 kg clean, recyclable paper bags.

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 an unopened original packing.

Cleaning:

Clean with water before the product dries. Hardened materials can only be removed mechanically.

Remarks:

- It is always recommended to submit tile sample to MATEX technical department to confirm the compatibility of adhesive with tile.
- It is strongly recommended to use polymer modified adhesive with porcelain tile or with large size of tiles.
- TILEGRIP WR should not be applied onto surfaces likely to suffer from rising dampness or moisture contents.
- TILEGRIP WR is not recommended to be applied on waterproofed substrate. Instead use minimum C2 type adhesive. Contact MATEX Technical Department for recommendation.
- Movement joints should be provided in accordance with normal practice.
- 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 painted surfaces, metal, wood or non-absorbing surfaces.
- Only spread enough adhesive, so that the tiles can be fixed within the open time.
- For external application, use recommended adhesive from Matex range, based on type of substrate and tiles. Contact with MATEX technical department for compatibility proper application.

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Health and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapor or spray mist.

FIRST AID:

Eyes:	In the event of accidental splashes, flush with warm water and seek medical advice.
Skin:	Wash skin thoroughly with soap and water
Inhalation:	Remove to fresh air, keep patient rested
Ingestion:	Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to TILEGRIP WR Material Safety Data Sheet.

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MATEX warrants that its products are free from material and manufacturing defects. Instructions on how to use the product should be strictly followed to ensure effectivity and safe use. MATEX shall not be liable either directly or indirectly for any damages to personal, equipment or products that may occur as a consequence of the failure of any products application because it has no direct or continuous control over where or how its products are applied. It is the user's responsibility to acquire always the updated version of datasheets.



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