

# TILEGRIP SPW

## Two Parts Flexible Cementitious Tile Adhesive

### Description:

TILEGRIP SPW is a two component flexible waterproofing cementitious tile adhesive. Part A contains a blend of Portland cement, special binder, quartz and chemical additives. Whereas component B is a special synthetic acrylic latex emulsion. Mixed product has excellent adhesion between tiles and substrate with waterproofing features. It provides the installed tile system with superior mechanical properties such as vibration, impact and thermal resistance.

TILEGRIP SPW adheres perfectly to a variety of supports like: concrete, cement boards and cement block and can be used for all types of ceramic porcelain, natural and artificial stones marble, etc.

### Uses:

TILEGRIP SPW is ideally designed to be used as a tile adhesive in wet area application, including:

- Swimming pools and fountains.
- Water canals and bonds.
- Fixing of glazed ceramics, mosaic and glass tiles in sauna and sport changing rooms.
- Shower area in sports clubs.
- Steam and refrigerating rooms.
- Wet areas as kitchen and bathrooms.

### Advantages:

- Waterproof product.
- High adhesion bond to substrates.
- 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 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. Before applying TILEGRIP SPW, moisten the surface with clean water to reduce the absorption of water from the mortar. For swimming pool application, tiling cannot be executed directly on top of water proofing membrane. Roughen the surface of the membrane with silica aggregate to create mechanical bonding with the tile adhesive.

#### Mixing:

To prepare the mix, add the contents of Part A powder to the contents of part B liquid in a clean container and mix with a slow speed drill (200 – 300 rpm) fitted with a suitable paddle until a uniform, lump free consistency mix is achieved. Allow the mix to rest for about 3 minutes and then remix before application. Do not add water or other ingredients as the product is supplied in a premeasured two-part kit ready to be mixed and used.

#### Application:

With a steel trowel, spread the mixed TILEGRIP SPW to the substrate evenly and in sufficient quantity with an average of 3 mm thickness layer. Apply a second pass with the notched part of the trowel to even the distribution of the material.

With pressure and twist movement left and right push the tile into place over the wet adhesive, work it properly to ensure full contact between the back of the tile and the adhesive, some of the adhesive will ooze from the edges of the tile which should be removed and re-used.

When applying tiles of sizes larger than 30x30 cm, it is necessary to spread the adhesive also to the backside of the tile and then place the tiles into the adhesive bed.

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Apply enough material that can be tiled during the pot life of the product mix. At swimming pool applications, it is recommended to tile one square meter at a time for normal size tiles. 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 can be filled after 12 hours of tiling for walls and 24 hours for floors.

During summer season, working area should be covered to prevent the direct sun effects on the mix. Keep equipment in shaded area.

## Standards:

- EN 12004 – C2 ES1, EN 1346, EN 1348
- ISO 13007 – C2 ES1
- ANSI A 118.4 – 1999

TECHNICAL PROPERTIES	
Appearance Part A Part B	Powder Liquid
Color Part A Part B	White or Grey White Emulsion
Mix Density	1.7 ± 0.03 kg/lit
Workable time	35 minutes
Open time at 25°C	25 minutes
Grouting time	Walls - 12 hours Floors - 24 hours
Full Curing	After 14 days
Adhesion strength (EN 1348)	
Initial adhesion	1.70 N/mm <sup>2</sup>
After heat ageing	1.50 N/mm <sup>2</sup>
After water Immersion	1.40 N/mm <sup>2</sup>
After Freeze-thaw cycle	1.20 N/mm <sup>2</sup>
Shear Strength	1.7N / mm <sup>2</sup>
Flexibility	Very Good
Water Resistance	Excellent

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

## Coverage:

Solid bed : 1.7 Kg/m<sup>2</sup> per 1mm thickness  
 3mm notched Trowel : 2 Kg/m<sup>2</sup> on smooth surface at  
 Yield : 17.6 Ltr. for 25 Kg bag

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

## Packaging:

TILEGRIP SPW is available in a set of 30 kg (25 kg powder bag and 5 kg plastic jerkin).

## Storage:

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

## Shelf Life:

TILEGRIP SPW can be used within 12 months of production date if stored in proper conditions in an unopened original packing.

## Cleaning:

Clean used tools with water before the mix 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.
- The product should not be exposed to running water, rain, high winds or sand storms during application.
- Movement joints should be provided in accordance with normal practice.
- 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 SPW on painted surfaces, metal, wood or non-absorbing surfaces.
- Only spread enough adhesive, so that the tiles can be fixed within the open time.

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- For zero porosity, vitrified porcelain tiles, use ELASTOGRIP-latex additive for cementitious tile adhesives and grout, in place of gauging water, or treat backside of tile with ARMOPRIME GRIP-bonding promoter primer. Contact with MATEX technical department for recommendation.
- For external application, mix TILEGRIP SPW with ELASTOGRIP. Contact with MATEX technical department for proper application.

## 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 vapour 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 SPW Material Safety Data Sheet.

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