

# 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. Once mixed, the product creates 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:

- All places where permanent water or high humidity exists.
- 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 sport 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.
- Combatale 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. Rough surface to the membrane should be provided 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 read 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 in 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

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backside of the tile and then place the tiles into the adhesive bed.

Apply enough material that can be tiled during the pot life of the product mix. At the swimming pools application, 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:

TILEGRIP SPW conforms to:

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

## Coverage:

Solid bed	:	1.7 Kg/m <sup>2</sup> per 1mm thickness
3mm notched Trowel	:	2.0 Kg/m <sup>2</sup> on smooth surface
Yield	:	17.6 Ltr. for 25 Kg bag

## 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 unopened original packing.

## TECHNICAL PROPERTIES

Appearance	:	
Part A	:	Powder
Part B	:	Liquid
Color	:	
Part A	:	White or Grey
Part B	:	White Emulsion
Mix Density	:	1.7 Kg. / Lt.
Workable time	:	35 minutes
Open time at 25°C	:	25 minutes
Adhesion strength @ 28 days	:	
Initial adhesion	:	1.70 N/mm <sup>2</sup>
Adhesion after heat	:	1.50 N/mm <sup>2</sup>
Adhesion after water	:	1.40 N/mm <sup>2</sup>
Immersion	:	
Adhesion after Freeze-thaw cycle	:	1.20 N/mm <sup>2</sup>
Shear Strength	:	1.7N / mm <sup>2</sup>
Flexibility	:	Very Good
Grouting time	:	Walls - 12 hours Floors - 24 hours
Water Resistance	:	Excellent
Full Curing	:	After 14 days

## Cleaning:

Clean used tools with water before the mix dries.

## Remarks:

- It is always recommend to submit tile sample for MATEX technical department to confirm the compatibility of adhesive with tile.

## 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 contact with eyes, rinse immediately with plenty of clean water and seek medical help.

MATEX Rev.06-1220

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.

