



STEF ADHESIVE S3

STEF POWDER TILE ADHESIVE

1-Product description:

Stef S3 tile adhesive is a premium quality, polymer-modified tile adhesive with exceptional flexibility and bond strength for tiling difficult surfaces. Stef S3 tile has outstanding bond to glass and other decorative tile. Suitable for interior and exterior application.

2-Features and Benefits

Commercial grade, dustless technology, non-vertical slump for easy tiling, use for thick or thin bed tiling, extended open time for tiling large areas, can be applied to walls and floors, for indoor and outdoor use, white formulation ideal for light-coloured tiles and stone. Outstanding flexibility and bond strength for difficult substrate and tile application. Protects against cracking caused by minor in-plane surface movement. Isolated small cracks and can be applied over small cracks without additional preparation.

3- Appropriate surfaces

- Brick
- Existing tiles
- Concrete
- Concrete pool walls
- Concrete blocks
- Cellular concrete
- Cement coating
- Cement screed
- Cement screed with underfloor heating
- Electric underfloor heating
- Approved cement-based board
- Lime-cement coating
- Sand-limestone
- Ceramic interior bricks
- Decorative coating
- Silicate board
- Stone carpet
- Wall heating

4-Surface Preparation:

The surface must be dry, resistant and free of oil, grease, dirt and dust. Cleaning: this depends on the specific situation but should include degreasing prior to laying “tile on tile”, blasting and/or sanding for concrete applied using a helicopter or greasy surfaces. First treat any surfaces that are porous, smooth, closed, compact, powdery or contain sulphates.

5 -Instructions for Mix and Application:

Prepare with clean running water, according to the following proportions: 5 to 5.5 liters of water per 20 kg of powder. The quantity of water can be adjusted slightly, for example, when laying tiles lightly on the floor or for increased slip resistance on walls. Start by pouring the water into the pot before adding the powder. Combine using a mixer for 4 minutes (minimum) until you obtain a homogeneous mass without any lumps. The resulting mass is immediately ready for use. Apply evenly to the surface using an adhesive comb with the appropriate tooth size. Press down firmly on the tiles, while laying them on the adhesive bed using a sliding movement. Lay the tiles within 30 minutes. Make any necessary corrections within 15 minutes.

6-Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.5, A118.4, A118.15 and A118.11 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in or [50-mm] Cube Specimens)

ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

Property	Testing	Requirement	Typical Results
Pot Life			4 Hours
Open Time	A118.15 Section 5.3 (ANSI)	E= 30 Minutes	Pass
4 Weeks Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2 (ANSI)	>450 psi	600-700 psi (42.2-49.2 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5 (ANSI)	>400 psi	400-500 psi (28.1-35.2 kg/cm ²)
Quarry Tile to Plywood	A118.15 Section 4.1.2 (ANSI)	>150 psi	300-350psi (21.1-24.6 kg/cm ²)

