

Tile Adhesive – Rapid Set

ST-TA(RS)

Rapid setting, high strength polymerized tile adhesive with efflorescence resistance complying with C2FT class of BS EN 12004 for both interior and exterior wall and floor tile fixing application.



PRODUCT DESCRIPTION

ST-TA(RS) is a proprietary polymerized premixed rapid set cementitious tile adhesive specially designed for tile fixing purpose in renovation works or other scenarios requiring early opening for use. Product characteristics of ST-TA(RS) fully comply with the requirements of BS EN 12004 Type C Class 2FT (Improved fast setting cementitious adhesive C2 grade) with high adhesion strength and reduced-slip properties. The product therefore provides superior assurance to applicators with its excellent quality, durability and on-site performance.

SUBSTRATE PREPARATION

The substrate must be sound, even, well-aligned, clean and free of loose particles, grease and any other unwanted contaminants. The substrate should be allowed to cure for at least 4–6 weeks to ensure majority magnitude of shrinkage movement has taken place before tile fixing. Alternatively, fast setting substrate material with early shrinkage dissipation can be used.

FEATURES & BENEFITS

- ◆ Premixed in factory
- ◆ Ultra strong adhesion to substrate in hours
- ◆ Suitable for fixing various types of tiles
- ◆ Suitable for both interior & exterior use
- ◆ Sustainable to seasonal cycles
- ◆ Rapid setting properties allowing early opening for use
- ◆ Non-slip properties
- ◆ Extremely low shrinkage

AREAS OF APPLICATION

- ◆ Fixing large size (e.g. 300x600mm, 600x600mm, etc) ceramic tiles, homogeneous tiles, natural stone, granites, etc. Consult Score Tech staff for fixing tiles in larger size.
- ◆ Tiling on various types of cementitious based substrates
- ◆ When tiling on highly absorptive substrates such as gypsum board, cement board, dry wall panels, etc., it is recommended to prime the substrate surface with Score Tech Supreme Primer (ST-SP) before commencement
- ◆ Suitable for fixing both wall and floor tiles at interior and exterior environments
- ◆ Able to fix tiles on cementitious based waterproofing materials

MIXING & INSTALLATION

1. Pre-wet the substrate surface with clean water moderately before application of tile adhesive.
2. Mix the tile adhesive with mechanical mixer for 3 - 5 minutes until a lump-free homogeneous paste is obtained. Allow the mixture to stand for 5 minutes and remix gently for 30 seconds before use.
3. Apply the well mixed tile adhesive directly onto the substrate and notch with a notched trowel to control the application thickness over the tiling area. The open time of tile adhesive may vary at different weather conditions and absorptive substrate will also reduce the open time of tile adhesive.
4. Back-butter is required for the tiles with deep grooves, ridges or in large size.
5. Place and press the tiles firmly onto tile adhesive bed by gently tapping on the tiles to ensure good contact. Regular check is recommended to ensure full bedding.
6. Remove any excess adhesive before the adhesive become dry. Tile grouting by using ST-TG can be commenced few hours after the tiles are fixed.

CURING

Under normal circumstances, natural curing for ST-TA(RS) is proven to be adequate.

PACKAGE

25 kg bag

SHELF LIFE

ST-TA(RS) has a shelf life of 6 months if well kept in dry condition on lifted floor.

HEALTH & SAFETY

Wear NIOSH approved face mask or equivalent personal protective equipment when handling the material. ST-TA(RS) contains cement which may cause an allergic effect or irritation to eyes and skin. When contact with eyes, flush immediately with large quantity of water.

REFERENCE STANDARDS

- ◆ European Standard: BS EN 12004

PRODUCT INFORMATION

ρ Colour	Grey
ρ Maximum Grain Size	1.0 mm
ρ Water Demand	~7.5 ± 0.3L/25 kg bag
ρ Pot Life	~ 30 minutes
ρ Coverage	~ 1.2 kg/m ² /mm

PRODUCT PERFORMANCE

ρ Early Tensile Adhesion Strength (within 6 hours)	BS EN 1348	≥ 0.5 N/mm ²
ρ Initial Tensile Adhesion Strength	BS EN 1348	≥ 1.0 N/mm ²
ρ Tensile Adhesion Strength after Water Immersion	BS EN 1348	≥ 1.0 N/mm ²
ρ Tensile Adhesion Strength after Heat Ageing	BS EN 1348	≥ 1.0 N/mm ²
ρ Tensile Adhesion Strength after Freeze-thaw Cycles	BS EN 1348	≥ 1.0 N/mm ²
ρ Open Time: not less than 30 minutes	BS EN 1346	≥ 0.5 N/mm ²
ρ Slip Resistance	BS EN 1308	≤ 0.5 mm

* Note: The test standards for the product performance stated above refer to laboratory test only.

DISCLAIMER

Note: As the application condition may vary from site to site and may not be identical to the same condition under which the parameters in the brochure are drawn, the information provided on this Technical Data Sheet is for general guidance only. Warranty will not be given to the ultimate performance and application results of this material when the material is not kept, mixed, applied or cured strictly in accordance with the requirements and/or instructions listed out in this brochure or in other supplementary document.

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TA(RS)-E-NOV2022.01