



MASTERING TECHNOLOGY AND PRACTICALITY

an ARDEXGROUP Brand

ST-TA(RS)

Tile Adhesive – Rapid Set

Ultra strong adhesion to substrate within a short time

Rapid curing properties, suitable for fast-track repair

Suitable for fixing different types of tiles (e.g., granite tile, ceramic tile, homogeneous tile, etc.)

Very low shrinkage

Anti-slip

Anti-efflorescence



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ST-TA(RS)

Tile Adhesive – Rapid Set

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.

AREAS OF APPLICATION

- Fixing ceramic tiles, homogeneous tiles, natural stone, granites, etc.
- Fixing larger format tiles
- Suitable for fixing both wall and floor tiles at interior/ exterior environments and water retaining structures, e.g. water tank, swimming pool, etc.
- Able to fix tiles on cementitious based waterproofing materials.

SUBSTRATE PREPARATION

The substrate must be sound, even, well-aligned, clean, and free of loose particles, grease, and any other unwanted contaminants. The substrate surface shall be moistened but without stagnant or apparent water before application.

MIXING & INSTALLATION

1. Mix ST-TA(RS) with a mechanical mixer until a lump-free homogeneous paste is achieved. Allow the mixed tile adhesive to slake for 3 – 5 minutes and mix again gently for 30 seconds before use.
2. 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. Open time of the tile adhesive may vary weather conditions and absorptivity of substrate.
3. For large tiles or tiles with deep grooves or ridges, back-buttering is recommended.

4. Press tiles firmly onto the adhesive bed followed by gentle tapping to ensure no void between tiles and adhesive.
5. Tile grouting can be commenced approx. 2 hours after completion of tile fixing.
6. Please refer to the method statement provided by Ardex Scoretech for details.

CURING

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

PACKAGE

25kg bag

SHELF LIFE

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

HEALTH & SAFETY

A qualified mask or equivalent personal protective equipment must be worn when handling this product. This product is non-toxic and does not contain harmful substances but may cause allergies or irritation to eyes and skin. If it accidentally comes into contact with eyes, rinse immediately with plenty of water and seek for medication.

REFERENCE STANDARDS

- British Standard (BS)
BS EN 12004; BS EN 1348;
BS EN 1346; BS EN 1308
- Chinese Standard (GB)
JC/T 547

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PRODUCT INFORMATION

Colour	Grey
Maximum Grain Size	1.0 mm
Water Demand	~ 7.0 ± 0.3L/ @25kg bag
Coverage	~ 1.2 kg/m ² /mm
Pot Life	~ 30 minutes

PRODUCT PERFORMANCE

Performance	Standard	Result
Initial Tensile Adhesion Strength		
- at 6 hours	BS EN 1348	≥ 0.5 N/mm ²
- at 28 days	BS EN 1348	≥ 1.0 N/mm ²
After Water Immersion	BS EN 1348	≥ 1.0 N/mm ²
After Heat Ageing	BS EN 1348	≥ 1.0 N/mm ²
After Freeze-thaw Cycles	BS EN 1348	≥ 1.0 N/mm ²
Open Time: 20 minutes	BS EN 1346	≥ 0.5 N/mm ²
Slip Resistance	BS EN 1308	≤ 0.5 mm

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

DISCLAIMER

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 in 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 any other supplementary document.