
ST-TG

Tile Grout

Premixed in factory

Shrinkage compensated

Abrasion resistant

Low water absorption

Non-toxic and suitable for use in potable water tank

Anti-efflorescence

Great variety of colour range



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PRODUCT DESCRIPTION

ST-TG is a proprietary premixed cementitious tile grout material specially designed for the purpose of grouting up tile joints with different models suiting different joint widths from 1 – 12 mm. ST-TG is capable of preventing efflorescence. Best result for combating efflorescence can be achieved by employing Score Tech' s render/plaster and tile adhesive products in the entire system. ST-TG can be supplied in colours stated in our colour chart. Other designated colours specified by clients can also be tailor-made upon request but longer lead time should be allowed for.

ST-TG is available in different models suitable for different joint widths:

Model	Joint Width
ST-TG-F (Fine)	1 – 3mm
ST-TG-S (Standard)	2 – 7mm
ST-TG-C (Coarse)	7 – 12mm

AREAS OF APPLICATION

- Grouting for all kinds of tiles, mosaics, vitrified tiles and marbles
- Suitable for both interior/exterior environments and water retaining structures, e.g. water tank, swimming pool, etc.
- Suitable for both wall and floor tiles.

SUBSTRATE PREPARATION

Tiles should be firmly fixed with adequate curing time for the tile adhesive before grouting the joints with ST-TG. In general, tile grouting can be commenced 24 hours after tiling. The joints and tile surface should be dampened before grouting.

MIXING & INSTALLATION

1. Mix ST-TG with mechanical mixer until a lump-free homogeneous paste is obtained. Allow the mixed ST-TG to slake for 10 minutes and then remix for 30 seconds before use.
2. Apply and gently press the well mixed ST-TG to joints at tiled wall with a rubber or sponge trowel diagonally.

3. Ensure all joints are completely filled up and remove surplus ST-TG.
4. Gently clean the tile surface with a slightly dampened sponge/towel.
5. Please refer to the application procedures in method statement for details.

CURING

Under normal circumstances, natural air curing is proven adequate for ST-TG.

PACKAGE

25kg bag

SHELF LIFE

ST-TG has a shelf life of 12 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

European Standard (EN)

BS EN 13888

British Standard (BS)

BS 5980; BS 6920

Hong Kong Standard (HKS)

HKHA FIN5.M1010

American Standard (AS)

ANSI A118.6

Chinese Standard (GB)

JC/T 1024; GB/T 41081

Hong Kong Water Supplies Department
"Generally Accepted" (WSD GA)

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PRODUCT INFORMATION

Colour	Those stated in colour chart / Tailor-made
Water Demand	Standard Model ~ 6.25L / 25kg bag
Pot Life	~ 1 hour

PRODUCT PERFORMANCE

Performance	Test Standard	Result
Linear Shrinkage	ANSI A118.6 - 24 hours - 7 days BS EN 12808-4 - 28 days	$\leq 0.1 \%$ $\leq 0.2 \%$ $\leq 3 \text{ mm/m}$
Water Absorption	ANSI A118.6 - 50% R.H. to immersion - Immersion to dry BS EN 12808-5 - After 30 minutes - After 240 minutes	$\leq 5\%$ $\leq 7\%$ $\leq 2\text{g}$ $\leq 5\text{g}$
Abrasion Resistance	BS EN 12808-2	$\leq 1000 \text{ mm}^3$
Resistance to Mould Growth	BS 5980	No mould growth
VOC Content	ASTM D3960	$\leq 10 \text{ g/L}$
Compatibility with Tile Adhesive	BS 5980:1980 Appendix D - 14D in standard condition - 7D in standard condition & 7D immersion in water	$\geq 950\text{N}$ $\geq 560\text{N}$
Compressive Strength	BS EN 12808-3 - After dry storage - After freeze-thaw cycle	$\geq 15 \text{ N/mm}^2$ $\geq 15 \text{ N/mm}^2$
Flexural Strength	BS EN 12808-3 - After dry storage - After freeze-thaw cycle	$\geq 2.5 \text{ N/mm}^2$ $\geq 2.5 \text{ N/mm}^2$
Resistance to Efflorescence	JC/T 1024	No efflorescence
Suitability for Use In Contact with Potable Water	BS 6920	Proven non-toxic for use in potable water tank

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

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USAGE CALCULATION TABLE

Tile Dimension (mm)			Material Consumption for ST-TG: kg/m ²			
Length	Width	Thickness	Gap Width (mm)			
			3	6	8	10
20	20	4	1.8	3.6	-	-
50	50	4	0.7	1.4	-	-
95	45	7	1.0	2.1	-	-
230	60	7	0.7	1.3	-	-
150	75	6	0.5	1.1	-	-
100	100	6	0.5	1.1	-	-
150	150	6	0.4	0.7	-	-
200	200	8	0.4	0.7	-	-
300	300	10	0.3	0.6	0.6	0.8
300	600	10	0.2	0.5	0.6	0.8
450	450	12	0.2	0.5	0.7	0.9
600	600	12	0.2	0.4	0.5	0.7

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.