

## Tile Filler

ST-TF

Water resistant premixed double-component cementitious skim coat to cover old tiles finishes or other similar substrates for renovation or refurbishment at interior and exterior conditions.



### PRODUCT DESCRIPTION

ST-TF is a proprietary premixed double-component cementitious skim coat material with the addition of modified polymer to be applied on various substrates like mosaic tiles, ceramic tiles, marbles, granitic tiles, timber board, metal board, etc. for renovation or refurbishment purposes. The finished surface of ST-TF can then receive new tiles or paint as new surface finishing. ST-TF is water resistant and will not incur mildew even under humid weather condition.

### SUBSTRATE PREPARATION

The substrate should be clean, dry and free from dust, oil, laitance and other contaminants. Under normal circumstances, pre-wetting of substrate is not a must. However, pre-wetting of substrate will help achieve the best bonding at the substrate and avoid powdery surface. Debonded or loosen old tile should be removed. For tile on tile renovation, it is recommended to scratch the old tiles surface with a hammer or other suitable tools so as to provide a better mechanical key for bonding.

### FEATURES & BENEFITS

- ◆ Premixed in factory
- ◆ Single component, easy to use
- ◆ Able to cover minor cracks
- ◆ Cost effective
- ◆ Excellent surface finishing
- ◆ Easy, tidy and clean storage
- ◆ Environmental friendly
- ◆ Enhanced adhesion
- ◆ High water retentivity

### AREAS OF APPLICATION

- ◆ Rehabilitation/Renovation on old tiles or other substrates
- ◆ As skim coat for internal and external walls and ceilings
- ◆ Patch up mortar for making good surface defects on insitu or precast concrete units.

## MIXING & INSTALLATION

1. Mix ST-TF powder, admixture and clean water with electric hand drill mixer in a bucket for about 3 – 5 minutes to form a homogeneous paste.
2. Slake the paste for 5 minutes and then remix for about 30 seconds before use. When the mixed ST-TF is left aside for more than 30 minutes and becomes dry, remix the paste to restore its consistency before use. Do not use over-dried paste nor add water to the paste to restore its workability.
3. Apply well-mixed ST-TF onto the substrate till full coverage with the required thickness.
4. Please refer to the method statement provided by Score Tech for details.

## CURING

Under normal circumstances, natural curing is proved adequate for ST-TF. Apply paint finishes on ST-TF at least 3 days after application to wait for the reduction of alkalinity on its surface.

## PACKAGE

25 kg bag powder and 1L admixture

## SHELF LIFE

ST-TF has a shelf life of 12 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-TF 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

- ◆ British Standard: BS 6319
- ◆ Hong Kong Standard: HKHA MTS Spec. Part D

## PRODUCT INFORMATION

ρ Colour	Grey / White
ρ Maximum Grain Size	0.3 mm
ρ Coat Thickness	~ 1- 3 mm
ρ Coverage	~ 1.3 kg/m <sup>2</sup> /mm
ρ Water Demand	~ 5L / set
ρ Pot Life	~ 2 hours

## PRODUCT PERFORMANCE

ρ Compressive Strength	HKHA MTS Spec. Part D, Cl. 2.1.1 & BS 6319-2	≥ 20 N/mm <sup>2</sup>
ρ Flexural Strength	HKHA MTS Spec. Part D, Cl. 2.1.2 & BS 6319-3	≥ 4 N/mm <sup>2</sup>
ρ Adhesion to Concrete	HKHA MTS Spec. Part D, Cl. 2.1.15	≥ 1.5 N/mm <sup>2</sup>
ρ Coutinho Ring Shrinkage	HKHA MTS Spec. Part D, Cl. 2.1.6	No cracks

\* 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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