
ST-SF

Super Finish for Interior Use

Single component, easy to use

Suitable for both airless machine spray and hand trowel

Ultra smooth surface finish

High productivity & cost effective

Resistant to mould growth

Strong adhesion to substrate

High water retentivity

PRODUCT DESCRIPTION

ST-SF is a proprietary premixed cementitious skim coat material with the addition of modified polymer to be applied as a finishing layer prepared for receiving interior paint (e.g., emulsion paint) or wallpaper at interior areas. ST-SF is water resistant and will not incur mildew even under humid weather condition. It is suitable for either hand trowel or machine spray applications on concrete, lightweight concrete, GRC blockwork and rendered surfaces but not on painted surfaces. Surface of ST-SF can be polished by fine sand paper to obtain an ultra smooth finished surface. For receiving exterior paint, using Score Tech Super Finish for Exterior and Interior Use “ST-SFW” is recommended.

AREAS OF APPLICATION

- Skim coat on rendering, dry wall, gypsum board, concrete substrates at interior areas for receiving emulsion paint or wallpaper
- As final finishing coat for internal walls and ceilings

SUBSTRATE PREPARATION

The substrate must be sound, even, clean and free from loose particles, grease and any 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.

INSTALLATION

1. Mix ST-SF with recommended quantity of water by mechanical mixer, auger type preferred until required consistency is achieved.
2. When the mixed ST-SF is left aside for more than 30 minutes and turns dry, remix it for about 30 seconds to restore its consistency before use.
3. Do not use over-dried paste nor add water to the paste to restore its workability.
4. ST-SF can be applied either by hand trowel or airless spray machine.
5. If an ultra smooth surface is required, at soonest time after the paste has gone harden, use fine sand paper to polish the surface to the required smoothness.

CURING

Sanding can begin one day after ST-SF application. Under normal condition, painting work can proceed one day after completion of sanding.

PACKAGE

40 kg bag

SHELF LIFE

ST-SF 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 1015
- British Standard (BS)
BS 5980; BS 6319; BS 4551
- Hong Kong Standard (HKS)
HKHA FIN7. M790 ;
HKHA MTS Spec. Part D
- American Standard (AS)
ASTM D3960
- Chinese Standard (GB)
JC/T 3049; GB/T 18582

PRODUCT INFORMATION

Colour	White
Maximum Grain Size	0.075 mm
Coat Thickness	0.5 – 2 mm
Pot Life	~ 2 hours
Coverage	~ 1.15 kg/m ² /mm
Water Demand	~ 16 ± 0.8L/40kg for hand trowel ~ 19 ± 0.96L/40kg for airless spray

PRODUCT PERFORMANCE

Performance	Test Standard	Result
Compressive Strength	EN1015-11	≥ 5 N/mm ²
Flexural Strength	EN1015-11	≥ 2 N/mm ²
Tensile Adhesion Strength - Initial - After Water Immersion	EN 1015 -12 & HKHA FIN7 M790	≥ 0.5 N/mm ² ≥ 0.3 N/mm ²
Water Retentivity	BS 4551	≥ 99%
Mould Growth	BS 5980	No mould growth
pH Value	In house method	≤ 10
Coutinho Ring Shrinkage	HKHA MTS Spec. Part D, Cl.2.1.6	No cracks
Water Resistance	JC/T3049	No discernible change
Alkaline Resistance	JC/T3049	No discernible change
VOC Content	ASTM D3960	≤ 5 g/L
Formaldehyde Content	GB 18582	≤ 0.02 g/kg

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.