
ST-SFW

Super Finish for Exterior and Interior Use

Factory produced with stringent quality control

Single component, easy to use

Suitable for both airless machine spray and hand trowel application

Excellent surface finishing

High productivity & cost effective

Resistant to mould growth

Strong adhesion to substrates

High water retentivity

Anti-efflorescence

PRODUCT DESCRIPTION

ST-SFW is a proprietary premixed cementitious skim coat material with the addition of modified polymer. It is applied as a finishing layer prepared for receiving paint or wallpaper at both exterior and interior areas. ST-SFW has good adhesion strength, water resistance, efflorescence resistance and anti-mildew even under highly humid weather condition. It is suitable for either hand trowel or machine spray applications different substrate (e.g., concrete, lightweight blocks, GRC blockwork and plaster/render surfaces, etc.). It is not recommended to apply over paint directly. Surface of ST-SFW can be polished by fine sandpaper to obtain an ultra-smooth finished surface.

AREAS OF APPLICATION

- Suitable for use at exterior and interior areas for receiving paint or wallpaper
- Skim coat on rendering, drywall, gypsum board, concrete substrates
- As final finishing coat for exterior and interior 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-SFW with recommended quantity of water by mechanical mixer, auger type preferred until required consistency is achieved.
2. When the mixed ST-SFW 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-SFW can be applied either by hand trowel or airless spray machine.

5. Apply well-mixed ST-SFW onto the substrate. If multi-layer is required, the previous coat should be hardened before applying the subsequent coat. Trowel the paste surface to form a flat and smooth surface free of blemishes.
6. If an ultra-smooth surface is required, at soonest time after the paste has gone harden, use fine sandpaper to polish the surface to the required smoothness.

CURING

In general, sanding can be done one day after the application of ST-SFW. Painting works can be started on the next day after sanding.

PACKAGE

40 kg bag

SHELF LIFE

ST-SFW 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)
GB/T 25181; JC/T 157 ;
JC/T 1024; GB/T 18582

ST-SFW

Super Finish for Exterior and Interior Use

PRODUCT INFORMATION

Colour	Grey/ 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 ~ 20 ± 1L/40kg for airless spray

PRODUCT PERFORMANCE

Performance	Test Standard	Result
Compressive Strength	EN1015-11	≥ 7.5 N/mm ²
Flexural Strength	EN1015-11	≥ 2 N/mm ²
Tensile Adhesion Strength - Initial - After Water Immersion - After Heat Aging - After Freeze-thaw cycle	EN 1015 -12 & HKHA FIN7 M790	≥ 1.0 N/mm ² ≥ 0.7 N/mm ² ≥ 0.7 N/mm ² ≥ 0.7 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/T157	No discernible change
Alkaline Resistance	JC/T157	No discernible change
VOC Content	ASTM D3960	≤ 20 g/L
Formaldehyde Content	GB 18582	≤ 0.1 g/kg
Resistance to Efflorescence	JC/T 1024	No efflorescence

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.