

Spray Plaster for Covering

(Formerly known as Score Tech Spray Plaster for Ceiling)

ST-C01

Premixed polymerized cementitious plaster for thin coat application either by machine spray or hand apply in both exterior and interior environments.



PRODUCT DESCRIPTION

ST-C01 is a dry packed proprietary premixed and polymerized cementitious plaster specially designed for thin plastering at walls and ceilings or as top coat on coarse finished plaster/render in both interior and exterior environments. It can be applied by either machine spray or hand trowel. Smooth surface finishing can be achieved by ST-C01 for direct painting works. However if a smoother surface is required, a thin skim coat of Score Tech Super Finish (ST-SF or ST-SFW) can be applied for receiving paint finishes. ST-C01 is classified as the "General Purpose Mortar"(GP) and Reaction to Fire Class A1 in BS EN 998-1 & 998-2.

SUBSTRATE PREPARATION

The substrate must be sound, even, clean and free from loose particles, grease and any other contaminants. When the substrate is found to be powdery (especially for PFA/GGBS concrete), it is recommended pre-treating the substrate surface before plastering. The substrate surface shall be moistened overnight and at the time before application. No stagnant or apparent water is allowed on the substrate surface before application.

FEATURES & BENEFITS

- ◆ Premixed in factory
- ◆ Machine spray or hand trowel
- ◆ Both interior & exterior applications
- ◆ Cost effective
- ◆ Single component, easy to use
- ◆ Strong adhesion to substrate
- ◆ Low shrinkage reducing the risk of cracking/ debonding
- ◆ Mould resistant
- ◆ Water resistant
- ◆ Alkali resistant
- ◆ Can be polished to achieve smooth surface for direct painting
- ◆ Anti-efflorescence

AREAS OF APPLICATION

- ◆ Thin ceiling plaster application
- ◆ Thin plastering at interior and exterior walls
- ◆ Top coat on coarse finished plaster/render

MIXING & INSTALLATION

1. Mix ST-C01 with the recommended water quantity (depending on the application method)
2. Apply the well-mixed ST-C01 by hand or spraying machine to achieve the required thickness in layer(s).
3. Smoothen the plaster surface with steel float/spatula to achieve the required finishing.
4. Please refer to the method statement provided by Score Tech for details.

CURING

Under normal circumstances, natural air curing for 7 days is proven adequate for ST-C01. However, water spray/mist curing is beneficial to ensure the best performance of ST-C01 under unfavourable conditions (e.g. extremely dry, windy, exposure of sunlight, etc.).

PRODUCT INFORMATION

Colour	Grey / White
Maximum Grain Size	0.45 mm
Density	Dry : ~1650 ± 200 kg/m ³ Wet : ~1750 ± 200 kg/m ³
Coat Thickness	2 - 4 mm for 1 coat 5 - 8 mm for 2 coats
Coverage	~ 1.3 kg/m ² /mm
Water Demand	~ 10 - 12 L/40 kg bag
Pot Life	~ 1 - 2 hours

PRODUCT PERFORMANCE

Compressive Strength at 28 days	EN 1015-11	≥ 6 N/mm ²
Flexural Strength at 28 days	EN 1015-11	≥ 3 N/mm ²
Adhesive Strength at 28 days	EN 1015-12	≥ 0.5 N/mm ²
Tensile Adhesion Strength - Initial - After Water Immersion - After Heat Ageing - After Freeze-thaw Cycle	HKHA FIN7.M790.6 & EN 1015-12	≥ 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%
Resistance to Mould Growth	BS 5980	No mould growth
Water Resistance	JG/T 157	Resistance to water immersion
Alkali Resistance	JG/T 157	Resistance to alkali immersion
Formaldehyde Content	GB 18582	≤ 0.1 g/kg
VOC Content	ASTM D3960	≤ 10 g/L
Resistance to Efflorescence	JC/T 1024	No efflorescence after 21 cycles
Coutinho Ring Shrinkage at 28 days	HKHA MTS Spec. Part D Cl.2.1.6	No cracks
Organic Matter	BS 1377-3	≤ 1%

* 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.

PACKAGE

40 kg bag

SHELF LIFE

ST-C01 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-C01 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

- ◆ American Standard: ASTM D3960
- ◆ European Standard: EN 1015
- ◆ British Standard: BS 5262; BS 5492; BS 5838; BS 8481; BS EN 998-1; BS EN 13914-1; BS EN 13914-2; PD CEN/TR 15123; BS 1377-3
- ◆ Hong Kong Standard: HKHA MTS Spec. Part D; HKHA FIN1 M460, FIN7 M790.6
- ◆ Chinese Standard: GB 18582; JG/T 157; JC/T 1024

SCORETECH
MASTERING TECHNOLOGY AND PRACTICALITY

Tel: 852-2165 0900
Fax: 852-2590 0511
Email: enquiry@scoretech.com.hk
Website: www.scoretech.com.hk

C01-E-AUG2022.02