
ST-W01

Spray Plaster for Wall

Suitable for both machine spray or hand trowel

Suitable for interior & exterior applications

Single component, easy to use

Strong adhesion to substrate

Low shrinkage reducing the risk of cracking/ debonding

Water resistant

Suitable for receiving Ardex and Scoretech tile adhesive, tile grout, covering plaster and skim coat products

ST-W01

Spray Plaster for Wall

PRODUCT DESCRIPTION

ST-W01 is a dry packed proprietary premixed and polymerized cementitious plaster specially designed for plastering/rendering at walls of in-situ concrete, precast concrete, brickworks and dry wall surface under both interior and exterior environments. It can be applied by either machine spray or hand trowel. If a smoother surface is required, a thin plaster coat of Score Tech ST-C01 or Score Tech skim coat (e.g., ST-SF or ST-SFW) can be applied for receiving paint finishes. ST-W01 is classified as the "General Purpose Mortar" (GP) and Reaction to Fire Class A1 in BS EN 998-1 & 998-2.

AREAS OF APPLICATION

- Rendering/plastering at interior and exterior walls
- Brick laying
- Panel wall rendering

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 should be pre-treated with spatterdash forming a mechanical key for plastering/rendering. 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.

INSTALLATION

1. Mix ST-W01 with the recommended water quantity (depending on the application method).
2. Apply the well-mixed ST-W01 by hand or spraying machine to achieve the required thickness in layer(s).
3. Level up the applied ST-W01 to the required overall thickness for alignment by straight edge.

4. Tiling work or application of topcoat can be proceeded after sufficient curing of ST-W01.

5. Please refer to the method statement provided by Ardex Scoretech for details.

CURING

Natural air curing is normally adequate for ST-W01. Under exterior environment or unfavourable conditions, water curing is recommended to ensure ST-W01 achieves the best performance.

PACKAGE

40 kg bag

SHELF LIFE

ST-W01 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 1015
- British Standard
BS 5262; BS 5492; BS 5838;
BS 8481; BS 1881; 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
- Chinese Standard (GB)
GB/T 25181

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PRODUCT INFORMATION

Colour	Grey
Maximum Grain Size	2.0 mm
Density	Dry: $\sim 1800 \pm 200 \text{ kg/m}^3$ Wet: $\sim 1900 \pm 200 \text{ kg/m}^3$
Coat Thickness	8 – 15 mm for 1 coat 15 – 25 mm for 2 coats 25 – 35 mm for 3 coats
Coverage	$\sim 1.55 \text{ kg/m}^2/\text{mm}$
Water Demand	$\sim 6 - 8 \text{ L} / 40\text{kg bag}$
Pot Life	$\sim 1 - 2 \text{ hours}$

PRODUCT PERFORMANCE

Performance	Test Standard	Result
Compressive Strength at 28 days	EN1015-11	$\geq 10 \text{ N/mm}^2$ (GB/T 25181 Grade M10)
Flexural Strength at 28 days	EN1015-11	$\geq 3 \text{ N/mm}^2$
Adhesion to Concrete at 28 days (saw cut method)	EN1015-12	$\geq 0.7 \text{ N/mm}^2$
Adhesion to Concrete at 28 days (core method)	EN1015-12	$\geq 0.6 \text{ N/mm}^2$
Coutinho Ring Shrinkage at 28 days	HKHA MTS Spec. Part D, Cl.2.1.6	No cracks
Chloride Content	BS1881-124	$< 0.01\%$
Organic Matter	BS1377-3	$\leq 1\%$

* 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.