



MASTERING TECHNOLOGY AND PRACTICALITY

an ARDEXGROUP Brand

ST-MP-WP(Screed)

Multi-Purpose Waterproofing Screed

Premixed in factory & cost effective

Single component, easy to use

Strong adhesion to substrate

Outstanding waterproofing effect

High water retentivity

Low shrinkage reducing the risk of cracking/ debonding

Suitable for receiving Ardex Scoretech tile adhesive, tile grout series products

Anti-efflorescence



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ST-MP-WP(Screed)

Multi-Purpose Waterproofing Screed

PRODUCT DESCRIPTION

ST-MP-WP(Screed) is a polymer enhanced cement-based waterproofing mortar specially formulated for floor screeding purpose with water resistance or waterproofing requirement. Its good workability allows easy spread over a large application area on floor by hand trowel or shovel with minimum effort to level rough or uneven concrete floor. Surface of ST-MP-WP(Screed) can receive tiles directly by using Ardex Scoretech tile adhesive/tile grout products. ST-MP-WP(Screed) is classified as “General Purpose Mortar (GP)” and Reaction to Fire Class A1 in BS EN 998-1 & 998-2.

AREAS OF APPLICATION

- Floor screed for water retaining structures
- Floor screed at wet areas (e.g. kitchen and bathroom)
- Floor levelling for residential, commercial and industrial buildings
- Floor screeding in interior and exterior conditions
- Screed repairing works

SUBSTRATE PREPARATION

The substrate must be sound, even, clean and free from loose particles, grease and any other contaminants. The substrate surface shall be moistened overnight and at the time before application. No ponding is allowed on the substrate surface before application.

For enhancement of adhesion strength with the substrate, prime the substrate surface with bond coat slurry (mixing Score Tech Latex products ST-SP/ST-BCL with cement in defined proportion) before the application of ST-MP-WP(Screed).

INSTALLATION

1. Mix ST-MP-WP(Screed) with the recommended water quantity by using mechanical mixer (e.g. electric hand drill mixer) until a lump-free homogeneous mixture with suitable workability is obtained.
2. Apply the well-mixed ST-MP-WP(Screed) onto the substrate by hand trowel or shovel layer by layer until the required thickness is achieved and make good the alignment with straight edge.

3. Tiling or other finishing work can only be proceeded after sufficient curing of ST-MP-WP(Screed).

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

CURING

Natural air curing is normally adequate for ST-MP-WP(Screed). Under exterior environment or unfavourable conditions, it is recommended to adopt water spray curing to achieve the best performance.

PACKAGE

40 kg bag

SHELF LIFE

ST-MP-WP(Screed) 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.

REFERENCE STANDARDS

- European Standard
EN 1015; EN 13892;
EN 13813
- British Standard
BS 1881; BS 5838; BS 6319;
BS 1377; BS 8204
- Hong Kong Standard
HKHA MTS Spec. Part D
- Chinese Standard
JC/T 1024; GB/T 25181

ST-MP-WP(Screed)

Multi-Purpose Waterproofing Screed

PRODUCT INFORMATION

Colour	Grey
Maximum Grain Size	3.2 mm
Density	Dry: ~1900 ± 200 kg /m ³ Wet: ~ 2000 ± 200 kg/ m ³
Coat Thickness	10 – 50 mm per coat
Coverage	~ 1.7 kg/ m ² / mm
Water Demand	~ 5.5 – 6 L / 40kg bag
Pot Life	~ 1 hour

PRODUCT PERFORMANCE

Performance	Test Standard	Result
Compressive Strength at 28 days	- EN 1015, EN 13892- - HKHA MTS Spec. Part D Cl.2.1.1 & BS 6319-2	≥ 25 N/mm ² (GB/T 25181 Grade M25) ≥ 27 N/mm ²
Flexural Strength at 28 days	- EN 1015, EN 13892 - HKHA MTS Spec. Part D Cl.2.1.2 & BS 6319-3	≥ 3 N/mm ² ≥ 5 N/mm ²
Adhesion to Concrete at 28 days	- HKHA MTS Spec. Part D Cl.2.1.15	≥ 2 N/mm ²
Coutinho Ring Shrinkage at 28 days	- HKHA MTS Spec. Part D Cl.2.1.6	No cracks
Organic Matter	BS 1377-3	≤ 1%
Water Absorption	BS 1881-122	≤ 1%
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.