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# **ST-MP(Screed)**

## **Multi-Purpose Screed**

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**Premixed in factory & cost effective**

**Single component, easy to use**

**Strong adhesion to substrate**

**High compressive strength**

**High water retentivity**

**Low shrinkage reducing the risk of cracking/ debonding**

**Suitable for tiling with Ardex Scoretech tile adhesive & tile grout series products**

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# ST-MP(Screed)

## Multi-Purpose Screed

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### PRODUCT DESCRIPTION

ST-MP(Screed) is a cement-based mortar specially formulated for floor screeding purpose. 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(Screed) can receive tiles directly by using Ardex Scoretech tile adhesive/tile grout products. ST-MP(Screed) is classified as the "General Purpose Mortar" (GP) and Reaction to Fire Class A1 in BS EN 998-1 & 998-2.

### AREAS OF APPLICATION

- 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 stagnant or apparent water is allowed on the substrate surface before application.

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(Screed).

### INSTALLATION

1. Mix ST-MP(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(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 work or other finishing work can be proceeded after sufficient curing of ST-MP(Screed).
4. Please refer to the method statement provided by Ardex Scoretech for details.

### CURING

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

### PACKAGE

40 kg bag

### SHELF LIFE

ST-MP(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 and seek for medication.

### REFERENCE STANDARDS

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

# ST-MP(Screed)

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### PRODUCT INFORMATION

Colour	Grey
Maximum Grain Size	3.2 mm
Density	Dry: ~1900 ± 200 kg /m <sup>3</sup> Wet: ~ 2000 ± 200 kg /m <sup>3</sup>
Coat Thickness	10 – 50 mm per coat
Coverage	~ 1.7 kg/ m <sup>2</sup> / 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 13892-2 - HKHA MTS Spec. Part D Cl.2.1.1 & BS 6319-2	≥ 25 N/mm <sup>2</sup> (GB/T 25181 Grade M25) ≥ 30 N/mm <sup>2</sup>
Flexural Strength at 28 days	- EN 1015, EN 13892-2 - HKHA MTS Spec. Part D Cl.2.1.2 & BS 6319-3	≥ 3 N/mm <sup>2</sup> ≥ 4 N/mm <sup>2</sup>
Adhesion to Concrete at 28 days	HKHA MTS Spec. Part D Cl.2.1.15	≥ 2 N/mm <sup>2</sup>
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

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.