

High Performance Screed

ST-HPS

Premixed screeding material specially designed for floor screed in both interior and exterior environments with high performance requirements.



PRODUCT DESCRIPTION

ST-HPS is a cement-based high performance screeding materials specially formulated for floor screed in both interior and exterior environments. ST-HPS is composed of cementitious materials, coarse aggregate, graded sand and properties enhancement additive.

SUBSTRATE PREPARATION

The substrate must be sound, even, well-aligned, clean and free of loose particles, grease and any other unwanted contaminants. No stagnant or apparent water is allowed on the substrate surface before application. For enhancement of adhesion strength with the substrate, prime the substrate with bond coat slurry (mixing Score Tech Latex products ST-SP/ST-BCL with cement in defined proportion) before the application of ST-HPS.

FEATURES & BENEFITS

- ◆ Premixed in factory
- ◆ Easy handling and storage
- ◆ Single component, easy to use
- ◆ Strong adhesion to substrate
- ◆ Can be used as structural concrete
- ◆ Excellent abrasion resistance and high compressive strength

AREAS OF APPLICATION

- ◆ Granolithic and Floor Screed
- ◆ Suitable for internal and external floor area
- ◆ High strength concrete for structural elements
- ◆ Can be finished with floated or trowelled finish surface

MIXING & INSTALLATION

1. Mix ST-HPS with the recommended water amount (depending on the application method).
2. Spread the mixed screed over the application area to build up the thickness up to the required level and alignment. When bonding agent ST-SP is used, spread it over the substrate by misting or brushing without formation of ponding.
3. Maintain a continuous operation for the mixing and laying procedure until completion of the planned area.

CURING

Under normal circumstances, natural air curing is proved adequate for ST-HPS. At locations, such as open areas or corridors, where the moisture in the concrete is expected to escape faster than normal circumstances, curing the concrete by water spray will always enhance the development of the required properties of ST-HPS.

PACKAGE

25 kg bag

SHELF LIFE

ST-HPS has a shelf life of 12 months if well kept in dry condition on lifted floor.








HEALTH & SAFETY

ST-HPS is non-toxic and does not contain hazardous material. The Product is slightly alkaline and should be flushed with large quantity of water when contact with eyes.




REFERENCE STANDARDS

British Standard: BS 812; BS EN 13892
MTRC Requirement: M&W ABWF Section IS 14
Hong Kong Standard: CS1: 2010

PRODUCT INFORMATION

 Colour	Grey
 Maximum Grain Size	10 mm
 Coat Thickness	Min. 50 mm
 Coverage	~ 2 kg/m ² /mm
 Water Demand	~ 2.85 - 3.15L / 25kg bag
 Water/Cement Ratio	≤ 0.44
 Pot Life	~ 1 hour

PRODUCT PERFORMANCE

 Compressive Strength at 28 days	- CS1:2010 Section 12 - BS EN 13892-2	≥ 60 N/mm ²
 Flexural Strength at 28 days	BS EN 13892-2	≥ 6 N/mm ²
 Workability (Slump)	CS1:2010 Section 2	≤ 75mm

* 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.

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