

Patch-Up Mortar

ST-PM(NS)

Polymer modified thin bed patching up mortar specially designed for leveling up step joints at concrete walls and ceilings as well as normal skimming applications in both interior and exterior condition.



PRODUCT DESCRIPTION

ST-PM(NS) is a cement-based thin bed patching up mortar specially formulated for leveling up step joints at concrete walls and ceilings as well as skim coat applications with outstanding finishing effect. Surface finishing of ST-PM(NS) can be trowelled to textured or smooth surface with wooden float or steel trowel for receiving tile and paint finishes respectively. ST-PM(NS) is supplied in powder form and needs only mixing with water for application.

SUBSTRATE PREPARATION

The substrate must be sound, even, well-aligned, clean and free of loose particles, grease and any other unwanted contaminants. The substrate surface shall be moistened before application. No stagnant or apparent water is allowed on the substrate surface before application.

FEATURES & BENEFITS

- ◆ Premixed in factory
- ◆ Easy to use with hand apply and airless spray machine
- ◆ Outstanding water retentivity
- ◆ Excellent finishing surface
- ◆ Anti-cracking
- ◆ Single component, easy to use
- ◆ Strong adhesion to substrate

AREAS OF APPLICATION

- ◆ Level up step joints at concrete walls and ceilings
- ◆ Make good fair-faced concrete surfaces
- ◆ Normal skimming for receiving paint in both exterior and interior condition

MIXING & INSTALLATION

1. Mix ST-PM(NS) dry powder with recommended quantity of water by mechanical mixer, auger type preferred.
2. Put water into a container followed by adding dry powder to the water while keep mixing with the mixer. Mix for about 3 – 7 minutes until a lump-free homogeneous mixture with suitable consistency is obtained.
3. Apply the well-mixed ST-PM(NS) onto the substrate by hand trowel layer by layer up to the required thickness and alignment. When ST-PM(NS) is used for leveling up step joints, primer can be applied on both rims of ST-PM(NS) along the aligned step joint where the thickness of ST-PM(NS) is at minimum so as to avoid chalky surface at these locations.

CURING

Under normal circumstances, natural air curing is proved adequate for ST-PM(NS). However, water mist curing is beneficial to ensure the best performance of ST-PM(NS) under dry/windy condition or direct exposure to sunlight.

PACKAGE

40 kg bag

SHELF LIFE

ST-PM(NS) 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-PM(NS) 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

- ◆ European Standard: BS EN 1015;
- ◆ British Standard: BS 4551;
- ◆ Hong Kong Standard: HKHA FIN7. M790

PRODUCT INFORMATION

◉ Colour	Grey / White
◉ Maximum Grain Size	0.3 mm
◉ Coat Thickness	~ 1 - 3 mm per layer
◉ Pot Life	~ 2 hours
◉ Coverage	~ 1.2 kg/m ² /mm
◉ Water Demand	~ 12 - 13.3L / 40kg for hand apply ~ 16.4 - 18L / 40kg for airless spray

PRODUCT PERFORMANCE

◉ Tensile Adhesion Strength - Initial - After Water Immersion - After Heat Ageing - After Freeze-Thaw Cycles	EN 1015 -12 & HKHA FIN7 M790	≥ 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%
◉ pH Value	In-House Method	≤ 10

* 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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