

Supreme Primer

ST-SP

Ethylene Vinyl Acetate (EVA) solution for substrate surface enhancement for receiving plastering, tiling, self-leveling screed and repairing material.



PRODUCT DESCRIPTION

ST-SP is a high performance latex admixture formulated to be applied as a primer on concrete, render, plaster, gypsum board, panel wall, aerated block wall, etc. to enhance the bonding with render, plaster, tiling or repairing system. It can also be mixed with cement to form bond coat slurry for similar applications with excellent enhancement in adhesion strength between substrate and covering material.

SUBSTRATE PREPARATION

The substrate must be sound, even, 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.

FEATURES & BENEFITS

- ◆ Enhanced adhesion strength
- ◆ Better workability
- ◆ Improved flexibility
- ◆ Waterproofing effect
- ◆ Strong adhesion to substrate
- ◆ Reduce shrinkage cracks
- ◆ Rust protection to reinforcement when mixed with cement to form bond coat slurry
- ◆ Excellent bonding to concrete, masonry, panel wall and gypsum board

AREAS OF APPLICATION

- ◆ Primer on substrate surfaces of concrete, render, plaster, panel wall, light weight block, etc.
- ◆ Primer coat for self-leveling screed
- ◆ Mix with cement sand for spatterdash application
- ◆ Mix with cement to form bond coat slurry used in concrete repair
- ◆ Mix with conventional cement sand mixture for improved properties/waterproofing effect
- ◆ Curing compound for concrete/mortar

MIXING & INSTALLATION

1. Bond Coat Slurry:

Mix ST-SP with cement according to the recommended ratio below to form bond coat slurry for receiving repair mortar. Apply bond coat slurry to the substrate by brush or roller to ensure the entire area is fully covered. Apply repair mortar when the bond coat slurry becomes tacky dry.

2. Spatterdash:

Mix cement, sand, ST-SP and water according to the recommended ratio below with electric mixer for 2 – 5 minutes. Spread spatterdash to the substrate surface in a usual way with a spatterdash spreader or other suitable tools.

3. Mortar/Screed for Minor Repair or General Waterproofing Purpose:

Mix cement, sand, ST-SP and water according to the recommended ratio below with electric mixer for 2 – 5 minutes. Apply the mortar/screed to the repair area by hand or by trowel.

4. Sealer as Moisture Barrier for Highly Absorptive Substrates:

Mix ST-SP and water according to the recommended ratio below with electric mixer thoroughly, apply the sealer onto highly absorptive substrate (e.g. Dry wall, light-weight block wall, etc) for receiving subsequent covering materials.

PACKAGE

20 kg pail or 200 kg drum

SHELF LIFE

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

HEALTH & SAFETY

Wear NIOSH approved face mask or equivalent personal protective equipment when handling the material. ST-SP may cause an allergic effect or irritation to eyes and skin. When contact with eyes, flush immediately with large quantity of water.

REFERENCE STANDARDS

- ◆ British Standard: BS 6319
- ◆ Hong Kong Standard: HKHA MTS Spec. Part D,
- ◆ American Standard: USEPA Method 24

MIXING RATIO FOR DIFFERENT APPLICATION PURPOSES

Usage		Mixing Ratio of Ingredients			
		ST-SP	Water	Cement	Sand
Primer Coat Slurry/Steel Protection Slurry	By volume	1	--	1	--
	By weight	1 kg	--	1.5 kg	--
Spatterdash with Ultra Adhesion	By volume	1	2●	4	8
	By weight	10 kg	20 kg●	50 kg	100 kg
Mortar/Screed for Minor Repair or General Waterproofing Purpose	By volume	1	1●	4	10 - 12
	By weight	10 kg	10 kg●	50 kg	125 - 150 kg
Sealer as Moisture Barrier for Highly Absorptive Substrates:	By volume	1	4 - 5	--	--
	By weight	1 kg	4 - 5kg	--	--

●The quantity of ST-SP and water listed above are for reference only. The actual quantity of liquid part may vary due to the quality and moisture condition of sand, type of cement used as well as environmental factors.

PRODUCT INFORMATION

Colour	Milky White
pH value	~ 5 - 6
Specific Gravity	~ 1 kg / liter
Minimum Application Temperature	~ 5 °C
Volatile Organic Compound Content	Low
Coverage	~ 3 - 6 m ² /kg (Bond coat Slurry) ~ 6 - 17 m ² /kg (Spatterdash)

PRODUCT PERFORMANCE

		Bond coat slurry	Spatterdash
Adhesion to Concrete	HKHA MTS Spec. Pt.D, Cl.2.1.15	≥ 2 N/mm ²	≥ 2 N/mm ²
Compressive Strength	HKHA MTS Spec. Pt.D, Cl.2.1.1 & BS 6319-2	--	≥ 30 N/mm ²
Flexural Strength	HKHA MTS Spec. Pt.D, Cl.2.1.2 & BS 6319-3	--	≥ 6 N/mm ²
Tensile Strength	HKHA MTS Spec. Pt.D, Cl.2.1.3 & BS 6319-7	--	≥ 3 N/mm ²

* 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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