SCORETECH

MASTERING TECHNOLOGY AND PRACTICALITY

an ARDEXGROUP Brand

ST-SP

Supreme Primer

Enhanced adhesion strength

Improve workability

Improved flexibility

Waterproofing effect

Strong adhesion to substrate

Reduce shrinkage cracks

Excellent bonding to concrete, masonry, panel wall & gypsum board, etc.

Rust inhibitor when mixed with cement for form bond coat slurry

ARDEX SCORETECH LIMITED
Unit 01, 18-20, 11/F, Tower B,
New Mandarin Plaza,
No 14 Science Museum Road,
Tsim Sha Tsui, Kowloon, HK
Tel ： 852-2165 0900
Fax ： 852-2590 0511
Email： enquiry@ardexscoretech.com

ST-SP
Supreme Primer

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 between the overlaying materials with the substrate. 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.

AREAS OF APPLICATION
- Primer on substrate surfaces of concrete, render, plaster, panel wall, light weight block, etc.
- Primer 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

SUBSTRATE PREPARATION
The substrate must be sound, even, clean and free from loose particles, grease and any other contaminants. No stagnant or apparent water is allowed on the substrate surface before application.

INSTALLATION
1. Bond Coat Slurry:
   Mix ST-SP with cement according to the recommended ratio below to form bond coat slurry. Apply bond coat slurry to the substrate by brush or roller to ensure the entire area is fully covered for receiving covering materials.
2. Spatterdash:
   Mix cement, sand, ST-SP and water according to the recommended ratio below with electric mixer. 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. 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 with water according to the recommended ratio below using a stirrer or an electric mixer, apply the sealer onto substrate.

CURING
No special curing is required.

PACKAGE
20 kg pail or 200 kg drum

SHELF LIFE
ST-SP 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
- British Standard
  BS 6319
- Hong Kong Standard
  HKHA MTS Spec. Part D
- American Standard
  USEPA Method 24

ST-SP
Supreme Primer

MIXING RATIO FOR DIFFERENT APPLICATION PURPOSES

		Mixing Ratio of Ingredients			
		ST-SP	Water	Cement	Sand
Bond 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
Primer / Moisture Sealer	By volume	1	4 - 6	-	-
	By weight	1 kg	4 - 6 kg	-	-

**The quantity of ST-SP and water stated above is for reference only. The actual quantity of water may slightly vary subject to the actual site condition, environmental factors and workmanship needs.*

PRODUCT INFORMATION

Color	Milky White
pH value	~ 5 – 6
Specific Gravity	~ 1kg / liter
Minimum Application Temperature	~ 5 °C
Volatile Organic Compound Content	Low
Coverage	~ 3 - 5 m^2/kg (Bond coat Slurry) ~ 6 - 17 m^2/kg (Spatterdash) *(The above is the theoretical consumption rate. It may be affected by factors such as nature of substrate material, thickness, water absorption rate, workmanship, etc.)*

PRODUCT PERFORMANCE

Performance (At 28 days)	**Test Standard**	**Result**	
		Bond coat slurry	**Spatterdash**
Adhesion to Concrete	HKHA MTS Spec. Part D, Cl.2.1.15	≥ 2 N/mm^2	≥ 5 N/mm^2
Compressive Strength	HKHA MTS Spec. Part D, Cl.2.1.1 & BS 6319-2	-	≥ 30 N/mm^2
Flexural Strength	HKHA MTS Spec. Part D, Cl.2.1.2 & BS 6319-3	-	≥ 6 N/mm^2
Tensile Strength	HKHA MTS Spec. Part 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.