

Latex Admix

ST-LA

Latex admixture containing acrylic styrene co-polymer using as primer or for improving workability, adhesion strength, waterproofing effect and flexibility of cementitious mortar.



PRODUCT DESCRIPTION

ST-LA is a high performance latex admixture formulated for using as primer to reduce surface absorption of substrate or to be mixed with cementitious based plasters, renders and screeds to improve both their physical and mechanical properties. It can also help reduce the risk of efflorescence induced from leaching soluble salt from the substrates.

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
- ◆ Excellent bonding to concrete, masonry, panel wall and gypsum board
- ◆ Good moisture sealing effect

AREAS OF APPLICATION

- ◆ Mix with pre-packed plaster, render, floor screed and conventional cement sand mixture for improved properties
- ◆ Mix with cement to form bond coat slurry using as bonding agent
- ◆ Polymer additive to concrete, cement mortar and similar products for rheology modification
- ◆ Primer for self-leveling compound
- ◆ Moisture sealer for highly absorptive substrate
- ◆ Curing compound for concrete/mortar
- ◆ Consult Score Tech's Staff for other applications

MIXING & INSTALLATION

1. Primer/Moisture Sealer:
Dilute ST-LA with clean water with the ratio given in the table below. Apply the diluted ST-LA onto substrate surface as primer/moisture sealer. Multiple coat may be required for substrate with very high absorption rate.
2. Mortar for Render/Plaster/Screed/Minor Repair/General Waterproofing Purpose:
Mix cement, sand, Score Tech Latex Admix and water with the ratio given in the table below with electrical mixer for 3 – 5 minutes. Press the mortar to the area for repair by hand or by trowel, whichever is considered to be more appropriate for ensuring no void will be left on the substrate.
3. Mixed with other Score Tech Products:
Please refer to the method statement provided by Score Tech or consult Score Tech's staff for details.

PACKAGE

20 kg pail or 200 kg drum

SHELF LIFE

ST-LA 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-LA 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 1881
- ◆ American Standard: USEPA Method 24

DILUTION RATIO FOR DIFFERENT APPLICATION PURPOSES

Usage		Mixing Ratio of Ingredients			
		ST-LA	Water	Cement	Sand
Bonding Coat	By volume	1	--	1 - 1.5	--
	By weight	1 kg	--	1.5 - 2 kg	--
Primer / Moisture Sealer	By volume	1	3 - 4	--	--
	By weight	1 kg	3 - 4 kg	--	--
Mortar/Screed for Minor Repair/ General Waterproofing Purpose	By volume	1	1●	4	10 - 12
	By weight	10 kg	10 kg●	50 kg	125 - 150 kg
Mortar/Screed with Enhanced Waterproofing Effect	By volume	1.5	0.5●	4	10 - 12
	By weight	15 kg	5 kg●	50 kg	125 - 150 kg

●The quantity of ST-LA and water listed above are for reference only. The actual quantity of water addition may vary due to the quality and moisture condition of sand as well as environmental factors.

PRODUCT INFORMATION

ρ Color	Milky White
ρ pH value	~ 7 - 8
ρ Specific Gravity	~ 1 kg / liter
ρ Minimum Application Temperature	~ 5 °C
ρ Volatile Organic Compound Content	Low

PRODUCT PERFORMANCE

		Mortar/Screed for General Waterproofing Purpose
ρ Adhesion to Concrete	BS EN 1015-12	≥ 1.5 N/mm ²
ρ Compressive Strength	BS EN 1015-11	≥ 25 N/mm ²
ρ Flexural Strength	BS EN 1015-11	≥ 5 N/mm ²
ρ Initial Surface Absorption Test (ISAT)	BS 1881-208	0.09ml/m ² · s (10 minutes) 0.06ml/m ² · s (30 minutes) 0.05ml/m ² · s (1 hours)

* 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.

SCORETECH
MASTERING TECHNOLOGY AND PRACTICALITY

Tel: 852-2165 0900
Fax: 852-2590 0511
Email: enquiry@scoretech.com.hk
Website: www.scoretech.com.hk

LA-E-JUN2023.01