SCORETECH
MASTERING TECHNOLOGY AND PRACTICALITY
an ARDEXGROUP Brand

ST-LA
Latex Admix

Enhance mortar's waterproofing effect

Enhance mortar's adhesion strength and flexibility

Improve workability

Good moisture sealing effect

Reduce risk of efflorescence

Reduce the risk of shrinkage cracks

Compatible with various substrate (e.g., concrete, masonry, panel wall & gypsum board, etc.)

ARDEX SCORETECH
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ST-LA
Latex Admix

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.

AREAS OF APPLICATION
- Primer for self-levelling compound
- Mix with cement to form bond coat slurry using as bonding agent
- Moisture sealer for highly absorptive substrate
- Curing compound for concrete/mortar
- Polymer additive to concrete, cement mortar and similar products for rheology modification and properties enhancement

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. 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 coats may be required for substrate with very high absorption rate.
2. Mortar for Render/Plaster/Screed/Minor Repair/General Waterproofing Purpose:
   Mix cement, sand, ST-LA and water with the ratio given in the table.
3. Mixed with other Score Tech Products:
   Please consult Ardex Scoretech's staff for details.

CURING
No special curing is required.

PACKAGE
20 kg pail or 200 kg drum

SHELF LIFE
ST-LA 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
- European Standard
  BS EN 1015
- British Standard
  BS 1881
- American Standard
  USEPA Method 24

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MIXING RATIO FOR DIFFERENT APPLICATION PURPOSES

		Mixing Ratio of Ingredients			
		ST-LA	Water	Cement	Sand
Bond Coat Slurry/Steel Protection Slurry	By volume	1	-	1.5 - 2	-
	By weight	1 kg	-	2–2.5 kg	-
Primer / Moisture Sealer	By volume	1	2 - 4	-	-
	By weight	1 kg	2-4 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
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 water stated above is for reference only. The actual quantity of water may slightly vary subject to the moisture content and quality of sand, actual site condition, environmental factors and workmanship needs.*

PRODUCT INFORMATION

Color	Milky White
pH value	~ 7 - 8
Specific Gravity	~ 1kg / liter
Minimum Application Temperature	~ 8 °C
Volatile Organic Compound Content	Low
Coverage	• Primer/Moisture Sealer: approx. 16 – 20m^2 / kg of ST-LA in 1 : 3 dilution with water • Bond Coat Slurry/Steel Protection Slurry: approx. 3 – 5m^2 / kg of ST-LA *(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	**Test Standard**	**Result**
		Mortar/ Screed for General Waterproofing Purpose
Adhesion to Concrete at 28 days	BS EN 1015-12	≥ 1.5 N/mm^2
Compressive Strength at 28 days	BS EN 1015-11	≥ 25 N/mm^2
Flexural Strength at 28 days	BS EN 1015-11	≥ 5 N/mm^2
Initial Surface Absorption Test (ISAT)	BS 1881-208	0.09 ml/m^2·s (10 mins) 0.06 ml/m^2·s (30 mins) 0.05 ml/m^2·s (1 hr)

Note: The test standards for the product performance stated above refer to laboratory test only.