

Armour Sealer

ST-AR

Co-polymer waterproofing armour sealer formulated to protect substrates from water or chemical ingress and to prevent efflorescence.



PRODUCT DESCRIPTION

ST-AR is a factory made co-polymer waterproofing armour sealer material formulated to protect concrete/mortar substrates from water or chemical ingress. ST-AR can be used as a protection primer/curing compound for various types of substrates made of concrete, cement/sand mortar, tiles, marbles, artificial stones, etc. Its excellent sealing effect prevents water and chemical ingress to the substrates and also stops efflorescence coming out from substrates. ST-AR will give a very slightly glossy finish to the substrate but the glossiness will fade out after several days' time.

SUBSTRATE PREPARATION

The substrate shall be finished to the requirement before applying ST-AR. The concrete or mortar surface shall be dry, free from grease, oil or any other chemical.

FEATURES & BENEFITS

- ◆ Matt finish without giving any alteration to original finishing effect
- ◆ Easy to use, no dilution is required
- ◆ Supreme sealing effect to substrate
- ◆ Prevent water and chemical ingress
- ◆ Improve surface hardness of substrate
- ◆ Highly water resistant
- ◆ UV resistant

AREAS OF APPLICATION

- ◆ Protection of fair-faced concrete or other architectural concrete
- ◆ Protection of substrate from water and chemical attack
- ◆ Prevention of efflorescence on tiling surface
- ◆ Prevent mould growth at tile joints

MIXING & INSTALLATION

1. Open the lid of the ST-AR pail and stir the liquid gently.
2. Apply the ST-AR by brush or sprinklers evenly onto the concrete/mortar surface.
3. Excessive application ST-AR at localized area is not recommended but is also not harmful to the concrete/mortar.
4. After the first layer of ST-AR goes dry, apply a second layer the same way as the first layer.
5. Leave the surface to cure naturally.
6. At locations where the concrete/mortar is exposed to severe sunlight or wind, application of third layer of ST-AR will be beneficial for ensuring the protection to concrete/mortar under such unfavourable environment.

PACKAGE

20 kg pail

SHELF LIFE

ST-AR 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-AR 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 1881
- ◆ Chinese Standard: JC/T 157

PRODUCT INFORMATION

⌵ Color	Milky White
⌵ pH value	~ 7 - 8
⌵ Specific gravity	~ 1.05 kg / liter
⌵ Minimum application temperature	~ 10 °C
⌵ Volatile Organic Compound Content	Low
⌵ Coverage	~ 3 - 5 m ² /kg for 2 coats (subject to substrate nature, surface texture, absorptivity)

PRODUCT PERFORMANCE

⌵ Initial Surface Absorption (After 2 hours)	BS 1881 -5	≤ 0.01 ml/(m ² .s)
⌵ Water Resistance	JC/T 157	No discernible change

* 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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