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TECHNICAL DATA SHEET

DESCRIPTION

Saavysil concrete sealer is a Water-based organic silicone molecule-based penetrating sealer concentrate. 1 Gallon of Saavysil concentrate makes 2 Gal of a penetrating sealer. Saavysil sealer does not produce a surface build-up, darkening, or other effect on the surface's color or texture, leaving the natural surface protected from water permeability. Silicone-based molecules migrate through the pores of the concrete, brick-and-mortar, and other porous surfaces. Reactive small molecules lock inside the surfaces and prevent penetration of water, salt, and water-soluble chemicals, protecting the substrates from the costly surface and structural damage caused by scaling, spalling, corrosion of rebar, wind-driven rain, and other severe weather conditions. The product design allows control evaporation, which helps the reaction & migration of molecules in the substrates.

APPEARANCE

- White liquid
- Density - ~0.88 g/cm^3

USES

- Horizontal or vertical, exterior or interior concrete surfaces
- Masonry, Natural stones, Pavers
- Residential Concrete Driveway, Patios, sidewalks,
- Interior/exterior bricks, Chimney Bricks
- Pool decks & patios, balconies, walkways

ADVANTAGES

- >98% reduction in water absorption
- Long-term protection against water soluble de-icing salts, wind-driven rain, surface cracking from freeze/thaw cycles, and extreme weather conditions.
- Resists Mold, Mildew
- Does not alter the natural surface texture or appearance
- Can be painted over (unlike any other silicone-based waterproofing agents)
- Hairline cracks up to 0.2mm can be bridged.
- Breathable
- Extends the life of concrete
- Water-based, Low VOC.

COVERAGE

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- One Gallon of concentrate covers up to 500 Ft^2. Coverage varies by the texture and porosity of substrates.

APPLICATION

- When ready for application, mix 1 Gal of Saavysil sealer with 1 Gallon of water while stirring. (Mixing ratio with water: 1:1)
- Sealers can be applied with a brush, roller, or airless spray with low pressure, such as garden spray.
- For the best results, thoroughly saturate the substrate with the sealer. Wet-on-wet two coats are recommended for the best results.
- If the surface stays wet for 5 minutes, it indicates it is saturated.
- Do not apply it on the hot surface. It will increase the evaporation rate and not allow enough time for the product to penetrate.
- Only applied after concrete is completely cured. For the best results, apply 28 days after fresh concrete is cured.
- Surface must be appropriately cleaned before application. All dust and particles shall be removed to ensure proper contact with the sealer and migration into the substrate.
- All repair and patching work for big cracks/holes needs to be done, and enough time must be allowed to cure before application.
- Horizontal surface may be ready for traffic within 1 hour after application.

POST APPLICATION

- It will start protecting the surface after 24-48 hours and Complete effectiveness after 7 days.
- The surface water beading effect may not occur on all surfaces. The sealer protects the surface by penetrating the surface. The water absorption by weight or Rilem test (water absorption by volume) type of test is more appropriate for evaluating effectiveness.

CLEANING

- Use water and soap.

STORAGE

- Store in a sealed container in a cool or dry area, away from direct sunlight and heat sources or ignition.

SHELF LIFE

- 1 year. Properly sealed and stored.

CAUTION

- Do not apply on plastic substrates.
- Keep away from flame or high heat sources.

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