



Flexible Coatings ♦ Engineered Solutions

# SR-5

## Siloxane/Silane Sealer

### Description

SR-5 is a clear, hybrid blend of silane/siloxane molecules for deep penetrating protection and water-repellence.

SR-5 forms a hydrophobic barrier beneath the surface that seals out moisture while remaining vapor permeable.

SR-5 is also available in a concentrated form that is to be thinned with water before use. SR-5C Concentrate is a concentrated version of SR-5 that must be thinned with water. A mix ratio of 9 parts water to 1 part SR-5C will yield an active solution of approximately 6%. For a higher active concentration the mix ration can be reduced to 7 parts water to 1 part SR-5 Concentrate. Consult Acrymax

### Features

- Low VOC—meets strict SCAQMD standards
- Exceptional water beading
- Enhanced resistance to efflorescence, freeze thaw damage, cracking, and spalling
- Provides invisible water-repellent coating on porous masonry surfaces
- High vapor permeability allows surface to breath
- Reduces water absorption
- Protective barrier to the substrate for longer existence
- Maximizes building life and reduces maintenance
- Increased energy-efficiency by reducing heat loss from evaporation
- Decreased thermal conductivity by keeping the surface dry and reducing heat passing through
- Environmentally friendly waterborne formulation

### Recommended Uses

SR-5 is designed for use over concrete, brick, stucco, concrete block, split-faced block, mortar, and highly alkaline surfaces.

### Installation

**Preparation:** Mortar, crack, and other necessary repairs must be completed before application of SR-5. Most surfaces will require no other special preparation. If substrate is excessively dirt covered it should be cleaned. Any organic growth must also be removed.

**Application:** Application by low pressure spray is the preferred method of application. Brush or roller can also be used. It is suggested that a “mist” coat be applied to wet out the surface to be treated. This should then be followed by a uniform flood coat that allows enough material to run down 4 – 6” from the initial application point. On vertical surfaces work down from top of area to be treated. Completely saturate the surface.

**Coverage:** Will depend on the porosity of the surface that is being coated. The following are suggested application rates. Additional material may be required for porous surfaces

| Substrate                | Application Rate (sq. ft. per gallon) |
|--------------------------|---------------------------------------|
| Smooth textured concrete | 300—350                               |
| Rough textured concrete  | 150—200                               |
| Brick                    | 75 –150                               |
| Smooth textured stucco   | 200—250                               |
| Rough textured stucco    | 100—150                               |
| Concrete block           | 75—100                                |
| Split-faced block        | 50—60                                 |

**Drying Time:** Drying time will vary depending on temperature, direct sunlight, air movement, relative humidity, and dew point.

**Application Conditions** Apply coatings only under proper conditions. Do not apply coatings until air temperatures and surfaces to be coated reach 40°F. Do not apply when ambient temperature is within 5°F of the dewpoint or when rain, fog, or freezing temperatures are possible within 24 hours. Coatings should not be applied in times of extreme heat or other adverse weather conditions.

| <b>Typical Properties (Liquid Sealer)</b> |           |            |
|---|-----------|------------|
| Weight per Gallon                         | 8.3 lbs.  | ASTM       |
| % Active by Weight                        | 6 %       |            |
| Viscosity                                 | Water     |            |
| V.O.C.                                    | <100 g/ L | ASTM D-562 |
| pH  | 8 – 10    |            |
| Flash point                               | N/A       |            |

| <b>Typical Performance Properties (Applied Sealer)</b> |   |   |
|--|---|---|
| <b>Substrate</b>                                       | <b>Water absorption in % on treated (untreated = 100)</b> | <b>Absorption rate Grams/square meter</b> |
| Lime cement plaster                                    | 3   | 500                                       |
| Concrete   | 7   | 200                                       |
| Clay Brick   | 1   | 1100                                      |
| Lime sandstone   | 5   | 300                                       |
| Cement Fiber Board                                     | 16  | Not available                             |

#### **Limitations**

Successful coatings projects require the *selection of an appropriate coating systems for the intended use*, effective and thorough preparation of the surfaces to be coated, and proper *application* of the coating system. Coatings should only be applied to sound and properly prepared surfaces and under proper conditions. Adhere to all applicable federal, state, or local regulations associated with coatings to be used and any preparation and application methods that will be utilized.

#### **Technical Services**

For technical assistance, contact Acrymax at 800-553-0523 or via e-mail [info@acrymax.com](mailto:info@acrymax.com)

#### **Warranty**

Since Acrymax does not control the application of its products, or the condition of the surfaces to which they are applied; Acrymax's liability if any will under no circumstances exceed replacement of the product proven defective. Acrymax limited material warranty is available when all materials are used in strict accordance with all of Acrymax's requirements and recommendations. Acrymax's sole responsibility under this limited material warranty is for defective material and Acrymax's only obligation shall be to either replace or refund the purchase price of the materials or part thereof proven to be defective. No statement by anyone may supersede this limited material warranty, except when done in writing by Acrymax's Technical Service Office in Media, PA.

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