



# ACRYLIC SEALER SB

## PRODUCT DATA

### Coverage

300-600 ft<sup>2</sup>/gal

### Packaging

1 Gallon (metal)

5 Gallon (metal)

*Larger sizes available upon request*

### Colors

Clear

*Custom colors available*

### Solids

26%

### Pot Life\* @ 70 ° F

Keep closed while not in use

### Working Time\* @ 70 ° F

10-15 Minutes

### Recoat Time\* @ 70 ° F

30 Minutes - 12 Hours

\*In house testing

### Water Resistance

24 Hours when fully cured



### DESCRIPTION

KRETUS® ACRYLIC SEALER SB is a solvent based acrylic blend meant for use in sealing cementitious substrates, concrete pavers and architectural substrates.

### ADVANTAGES

- Zero VOC's
- Available in Gloss and Low Gloss
- UV Resistant
- Fast Drying
- Easy to Use
- Wet Look/Lacquer Finish
- Easy to Recoat
- Spray/Roll/Brush Application

### SYSTEMS

- Pharmaceutical
- Hospital
- Schools
- Dust-Proofing
- Grind & Seal
- Walkways

### SURFACE PREPARATION

See KRETUS® SURFACE PREPARATION GUIDELINES. Prior to installation it is the applicators responsibility to conduct a Calcium Chloride Test (ASTM F 1869-98) and a Relative Humidity Test (ASTM F-2170) to determine if excessive levels of vapor emissions are present. Three tests are to be taken for the first 1,000 ft<sup>2</sup> with one additional test for every 1,000 ft<sup>2</sup>. KRETUS GROUP® will not be responsible for coating failures due to moisture vapor emission if testing of substrate was not conducted by contractor. A core sample is required in extreme conditions. KRETUS® ACRYLIC SEALER SB has allowable moisture vapor emission rates (MVERs) up to 3 lbs per 1,000 ft<sup>2</sup> (3,63 kg per 92,9 m<sup>2</sup>) per 24 hours (ASTM F1869) or up to 75% relative humidity (ASTM F 2170).

Before coatings are applied, concrete must be:

- Clean – Contaminants removed
- Profiled – Surface abraded mechanically
- Sound – All cracks and spall concrete areas repaired

Adhere to the following standards:

- ASTM D4258 Standard Practice for Cleaning Concrete
- ASTM D4259 Standard Practice for Abrading Concrete
- ASTM F1869-98 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete
- ASTM F-2170 Standard Practice for testing relative humidity
- ICRI 03732 Technical Guideline for Concrete Surface Profile
- This concrete surface dimension is defined pictorially and through physical samples in the ICRI Technical Guideline No 03732, and is expressed as a Concrete Surface Profile number (CSP 1-9).

Concrete and mortar must be cured at least 28 days @ 75°F. All KRETUS® coating applications from 2 - 4 mils in thickness, shall have a surface profile of CSP 1; grinding and light shot blasting is recommended according to ICRI 210.2.

**TESTING APPLICATION**

All surfaces are not the same. It is recommended that a sample area be completed before the start of the project. The test should be done on-site, using the proposed method by the assigned applicator to ensure proper adhesion and color. A sample area should also be completed on any existing coatings to determine if any contaminants exist or if delaminating will occur. The allowable moisture emissions for concrete is 3 lbs /1,000 ft<sup>2</sup> over a 24 hour period. If moisture is above this level then blistering, delamination, white spotting or a milky haze may occur. A calcium chloride or RH test should be performed to determine concrete moisture level.

**PRODUCT APPLICATION**

See KRETUS® APPLICATION GUIDELINES AND CRITICAL OVERVIEW. The current coefficient of friction required by ADA (American Disability Act) is 0.6 on level surfaces and 0.8 on ramps. See KRETUS® ANTI-SLIP Technical Data Sheet for increasing slip coefficient of friction.

- Can be brushed, rolled or sprayed using an acetone resistant sprayer.
- If rolled, use a 3/8" nap roller cover. Be sure to spread evenly in a "V" pattern rolling in both directions. Roll product as thin as possible.
- For best results, apply 2-3 thin coats. Do not exceed 4 wet mils per coat. Coverage will vary based on the porosity of the concrete.
- Thinning material will help as a primer coat. Use full strength for top coat.
- Thinning Kretus Acrylic Sealer SB can be done with VOC Free or Exempt solvents such as Acetone, MEK, Xylene or Dimethyl Carbonate (DMC). Be sure to check local VOC requirements.
- When recoating fully cured KRETUS® ACRYLIC SEALER SB you must dilute your first coat 1 to 1 with Acetone to improve inter-coat adhesion.

\* ALWAYS KEEP ADEQUATE VENTILATION. Do not let material puddle. Do not use on exterior on-grade flagstone, sandstone or slate. Do not use in heavy foot traffic areas; requires regular maintenance coating. Will not resist solvents or brake fluid. Higher temperatures will shorten dry times and lower temperatures will lengthen dry times. Thicker films will take longer to dry.

\*Concrete slab must be absolutely dry prior to installation.

\*Protect coating from all water and moisture for 24 Hours including rain, sprinklers and cleaning.

\*Do not apply if temperatures are expected to drop below 50°F within 24 Hours.

**WARRANTY**

KRETUS® products are warranted for 12 months from the date of manufacturing when kept in the original unopened container. Please refer to the Limited Material Warranty for additional clarification.

All materials shall be guaranteed against failure due to normal wear and use for a period of (1) one-year from the date the product was applied. IT IS AGREED AND EXPRESSLY UNDERSTOOD THAT THE BUYER'S SOLE AND EXCLUSIVE REMEDY SHALL BE THE REPLACEMENT OF THE DEFECTIVE PRODUCT OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL. Warranty is not valid unless all outstanding invoices are paid. There is no warranty or merchantability or fitness for use, nor any other expressed or implied warranty. We will not be liable for incidental or consequential damages of any kind. We are not liable for any improper workmanship, including the failure to conform to product application instructions. We cannot warranty failure of a coating caused by moisture vapor transmission, hydrostatic pressure, out-gassing, extreme abuse, fire, explosion, improper mixing, use of out of date materials, and adding other chemicals. Use of other chemicals in mixture or systems, strictly voids this warranty. Warranties are null and void if materials or systems are installed over a substandard substrate, not allowed by local building codes, substructure failure, building settling/movement, acts of God, and other elements of nature. All claims must be made in writing by the installer and received within the warranty period.

For added warranties please contact KRETUS GROUP®.

**HEALTH AND SAFETY**

**CAUTIONS:** Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.** Contact areas should be thoroughly washed with soap and water. Additional precautions, safety information and first aid treatments are contained in the KRETUS® SDS.

