



PRODUCT DATA SHEET

PROD. #500 SERIES

BOND-CRETE SILICONE/ACRYLIC CONCRETE WATERPROOF SEALER



PRODUCT DESCRIPTION

Bond-Crete Silicone/Acrylic Concrete Waterproof Sealer is a durable pigmented masonry waterproofing stain coating designed to penetrate into unpainted and/or unsealed cementitious surfaces. Its special formulation of solvents, acrylic resin, silicone and color pigments add long lasting beauty to the surface, while helping to seal the surface fully protecting the surface from powdering, staining and moisture penetration. It dries fast, has a low sheen to minimize slipping, provides excellent weather resistance, wear resistance and offers superior color retention. It may be applied to surface areas coated with a similar concrete stain type product, but is not recommended for application over any other existing paint coatings.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE												
<ul style="list-style-type: none"> Solvent Acrylic Formula Low Sheen Fast Dry Penetrates & Seals Superior Weather Resistance Superior Wear Resistance Prevents Moisture Penetration Resists Staining Waterproofs 	<p><i>Suitable for the following properly prepared surfaces;</i></p> <p>EXTERIOR – New or Unpainted</p> <table> <tr> <td>Concrete</td> <td>Patios & Walkways</td> </tr> <tr> <td>Brick</td> <td>Garage Floors</td> </tr> <tr> <td>Concrete Wall</td> <td>Driveways</td> </tr> <tr> <td>Masonry</td> <td>Tennis Courts</td> </tr> <tr> <td>Precast Concrete</td> <td>Pool Decks</td> </tr> <tr> <td>Stucco</td> <td>Carport Floors</td> </tr> </table> <p>For Exterior Use Only! <i>Special Note: Tire tracking may occur when applied to Driveways, Carport & Garage Floors!</i></p>	Concrete	Patios & Walkways	Brick	Garage Floors	Concrete Wall	Driveways	Masonry	Tennis Courts	Precast Concrete	Pool Decks	Stucco	Carport Floors	<p>Product Quality: Premium</p> <p>Product Use: Exterior</p> <p>Application: Brush, Roller Cover, Airless Spray</p> <p>Product System: Solvent-Based</p> <p>Finish: Satin</p>	<p>AIM No</p> <p>OTC No</p> <p>CARB No</p> <p>SCAQMD No</p> <p>MPI # No</p> <p>LEED® 09CI No</p> <p>LEED® 09NC No</p> <p>LEED® 09CS No</p> <p>LEED® H No</p>
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SURFACE PREPARATION

General: The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew, curing agents, efflorescence, and any other surface contaminants that may adversely affect the performance of this coating material.

- All new cementitious surfaces should be allowed 30 – 90 days to properly dry/cure before product application. All curing compounds and release agents must be properly removed.
- Smooth cementitious substrates will need to be acid-etched with a solution of Muriatic Acid mixed one-to-one with water. **Special Note: Please observe all noted safety precautions when working with Muriatic Acid, and carefully read all label specifications pertaining to the safe mixing of this material!**
- Working in sections, spread solution evenly with a firm bristle push broom and allow acid solution to effervesce, or boil the surface until it has completely stopped, (approx. 10 – 15 minutes). Rinse the surface thoroughly with clean water and allow a minimum of 24 hours to dry.
- Once dry, the surface should have the look and feel of medium to rough sandpaper. It may be necessary to repeat this procedure until this effect is accomplished.
- Bond-Crete is formulated for application to new or unfinished cementitious surfaces, cementitious surfaces coated with a similarly solvent thinned acrylic waterproof coating, or applied over itself.

Mildew - Surface areas affected by mildew should be washed with a commercial mildew removal product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

- WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how you can protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-Lead, or log onto www.epa.gov/lead.

PRODUCT ANALYSIS DATA

PIGMENT: 24.29%

VEHICLE: 75.71%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** White, Tint Bases & 10 Stock Colors
500 White 500-DB Deep Base
500-AB Accent Base
- TINTING:** Industrial Colorants
- VEHICLE TYPE:** Solvent Acrylic
- VISCOSITY:** 53 KU ± 2
- GLOSS @ 60°:** Satin / 20 units
- FLASH POINT:** 81° F
- VOC:** Not to Exceed 700 g/l – 5.88 lb/gal
- SOLIDS:** By Volume: 21.20% ± 2%
By Weight: 37.74% ± 2%
- COVERAGE:** 200 – 375 Sq. Ft. / Gal.
(Depending on Application & Surface Porosity.)
- MIL FILM:** Estimated @ 300 Sq. Ft. / Gal.
Wet: 5.3 mils **Dry:** 1.1 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 1 – 2 Hours
Recoat: 4 Hours, or after overnight dry.
Vehicle Traffic: 72 Hours
- CLEAN UP:** Xylene
- THINNING:** DO NOT THIN!

RECOMMENDED PRIMER COATINGS

The following Richard's products are recommended primer coatings for this finish coating material. However, recommended Richard's primer coatings are not limited to the products listed below;

- **New Masonry & Cementitious Surfaces:**
 - Self-Priming

APPLICATION EQUIPMENT

- **Brush Application:** Apply using quality nylon, polyester or combination nylon/polyester, or a quality natural china bristle brush.
- **Roller Application:** Apply using a smooth - medium nap synthetic, lamb's wool or mohair roller cover, depending on texture or surface porosity.
- **Spray Application:**
 - **Pump:** Gas or Electric Airless Sprayer
 - **Tip:** 0.013" – 0.015" Reversible
 - **Pressure:** Minimum 2000 psi
 - **Hose:** ¼ inch (6.3 mm) - ¾ inch (10 mm)

PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – N/A	Gallons – 4/case
2 Gallons – N/A	5 Gallons - Each
- **Weight Per Gallon:** 9.23 lbs.

CLEAN UP & THINNING INSTRUCTIONS

Clean Up: Clean up any minor spills and splatters immediately with Xylene, as well as all painting tools and airless equipment. More serious paint spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

Thinning: Stir thoroughly and apply as it comes from the container. Thinning is not necessary. Do Not Thin!

PRODUCT LIMITATIONS

- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

PRODUCT APPLICATION – General

Bond-Crete Silicone/Acrylic Concrete Waterproof Sealer may be easily applied with a quality brush, roller cover, or airless spray equipment as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- Surfaces to be painted should be completely dry for 24 hours before application.
- For best results, it is recommended to apply two (2) finish coats. Avoid heavy build-up of coating material.
- To assure color uniformity intermix multiple containers of custom tinted and stock colors. Apply a small test sample to verify color.
- Always paint to a natural break in the surface, such as a corner or edge.
- When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- When applying by roller cover, apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking.
- When applying by airless spray equipment use a unit with a minimum of 2000 psi of pressure, with a 0.013" – 0.015" fluid spray tip.
- During spray application, it is recommended to back-roll the surface area to ensure proper adhesion, an even coat application, and to work coating into surface pores.
- Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area.
- Apply when surface and ambient temperatures are above 55° F and below 90° F.
- Avoid exterior paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint.

SPECIAL NOTE: FINISHED SURFACE MAY BECOME SLIPPERY WHEN WET. A NON-SKID ADDITIVE, SUCH AS RICHARD'S #SG-60, SKID GUARD MAY BE ADDED DURING APPLICATION TO PROMOTE A MORE ANTI-SLIP FINISH.

PRECAUTIONARY & SAFETY INFORMATION

CAUTIONS: FLAMMABLE! CONTAINS XYLENE! Keep away from heat, sparks, and open flames. Prevent build-up of vapors by opening all windows and doors to achieve proper cross-ventilation. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during and until all vapors are gone. **USE WITH ADEQUATE VENTILATION!** Do not breathe dusts, vapors, or spray mists. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness, or if air monitoring demonstrates vapor / mist levels are above applicable levels, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eye, skin and clothing. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling, and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!** Refer to MSDS for additional health and safety information.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the content herein may be harmful or fatal.

FIRST AID: In case of eye contact, flush immediately with plenty of water for 15 minutes, and get medical attention immediately; for skin contact, wash thoroughly with plenty of soap and water. If you experience difficulty breathing, leave area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately.

KEEP OUT OF REACH OF CHILDREN!

WARRANTY & LIMITATIONS

The technical information contained herein is accurate to the best of our knowledge. All warranties are excluded, whether expressed or implied, by operation of law or otherwise, including all implied warranties of merchantability or fitness for a particular purpose. Seller shall not be liable, directly or indirectly, under any circumstances for consequential, incidental, special or any other type of damages arising or resulting for any reason under the sale, handling, or use of goods sold. Seller's liability hereunder, and buyer's exclusive remedy hereunder, for negligence or any other reason, is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. Notice of any alleged failure or defect in the material must be given to the seller in writing by certified U.S. mail within 15 days of noticing the problem. Failure to give the required notice within the time provided constitutes a waiver of any claim. The Manufacturer is not responsible for any misrepresentation made by the Dealer.

REV 06-13