



# PRODUCT DATA SHEET

## PROD. #500 SERIES

### BOND-CRETE

### SILICONE/ACRYLIC CONCRETE STAIN



#### PRODUCT DESCRIPTION

Richard's Bond-Crete Silicone/Acrylic Concrete Stain 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
<ul style="list-style-type: none"> <li>Solvent Acrylic Formula</li> <li>Low Sheen</li> <li>Fast Dry</li> <li>Penetrates &amp; Seals</li> <li>Superior Weather Resistance</li> <li>Superior Wear Resistance</li> <li>Prevents Moisture Penetration</li> <li>Resists Staining</li> <li>Waterproofs</li> </ul>	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p><b>EXTERIOR – New or Unpainted</b></p> <ul style="list-style-type: none"> <li>Concrete</li> <li>Brick</li> <li>Concrete Wall</li> <li>Masonry</li> <li>Precast Concrete</li> <li>Stucco</li> <li>Patios &amp; Walkways</li> <li>Garage Floors</li> <li>Driveways</li> <li>Tennis Courts</li> <li>Pool Decks</li> <li>Carport Floors</li> </ul> <p><b>For Exterior Use Only!</b></p>	<p><b>Product Quality:</b> Premium</p> <p><b>Product Use:</b> Exterior</p> <p><b>Application:</b> Brush, Roller &amp; Spray</p> <p><b>Product System:</b> Solvent-Based</p> <p><b>Sheen:</b> Satin</p> <p><b>MPI Standard:</b> No</p> <p><b>VOC Compliance:</b> N/A</p>

#### SURFACE PREPARATION

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

**NEW SURFACES:** **MASONRY & CONCRETE:** All new or unpainted cementitious surfaces, such as masonry, stucco, and concrete block, etc. should be allowed 30 – 90 days to properly dry/cure in accordance with industry standards. The surface should be tested for pH and alkali levels. Surface should not read higher than 8.5 – 9 level.

**CONCRETE FLOORS:** Clean surface thoroughly to remove contaminants, oil, grease and embedded chemicals with **Richard's #248, Shield's All Oil & Grease Remover**. Remove powdery material from new, unpainted concrete by sweeping and rinsing with clean water. Dense, non-porous concrete surfaces must be properly acid etched with muriatic acid mixed with water, 3 parts water to 1 part acid. Apply acid solution to the surface using a plastic garden sprinkler can. Allow the solution to effervesce or boil on the surface until it stops, (approximately 10 – 15 minutes). Do not allow floor to dry prior to rinsing. Add acid solution to keep wet, if necessary. Neutralize floor with an alkaline solution of 1 cup of baking soda (or 8 oz. of ammonia) mixed with one gallon of water. This mixture will neutralize any unspent acid. Rinse the surface thoroughly with clean water. Check pH of rinse water with pH range paper. Rinse water should have a pH of 6 - 9. If pH is outside of this range, rinse again and re-check pH. Properly etched concrete should have a texture feeling similar to medium (180) grit sandpaper. Allow 24 - 48 hours to dry.

**SURFACE REPAIRS:** Repair/replace any damaged and/or delaminated surface areas with the properly recommended cementitious patching materials. Allow patching materials to dry thoroughly before application of paint coatings.

**MILDEW:** Surface areas affected by mildew should be treated with a commercial mildew removal and/or cleaner product following the manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

**NOTE:** When applying lighter colors to driveways, carport, and garage floors, tire tracking may occur. This finish may become slippery when wet. Therefore, when used on horizontal surfaces, such as floors, patios, or any floor area exposed to moisture, the use of a non-skid additive is recommended, such as Richard's SG-60, Skid Guard Non-Skid Additive.

#### 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:** 59° F
- COATING VOC:** Not to Exceed 700 g/l – 5.88 lbs./gal.
- SOLIDS BY VOLUME:** 21.20% ± 2%
- SOLIDS BY WEIGHT:** 37.34% ± 2%
- ESTIMATED COVERAGE:** 200 – 375 SFPG  
*(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)*
- RECOMMENDED MIL FILM:** *(Estimated @ 300 SFPG)*  
**Wet:** 5.3 mils      **Dry:** 1.1 mils
- DRY TIME:** *(@ 70° F & 50% Relative Humidity)*  
**To Touch:** 1 – 2 hrs. | **Recoat:** 4 hrs. | **Traffic:** 72 hrs.  
*(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)*
- DRIES BY:** Solvent Evaporation
- CLEAN UP:** Xylene
- THINNING:** Not Recommended
- WEIGHT/GAL:** 9.16 lbs.
- SHELF LIFE:** 2 - 3 years unopened.
- PACKAGING:** 1 Gal.: 4/case | 5 Gal.: Each

## RECOMMENDED PRIMER COATINGS

Although formulated to be self-priming on sound and properly prepared painted surfaces, the following Richard's primers are recommended for use on new or bare substrates;

- **Masonry & Concrete & 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
  - **Pressure:** Minimum 2000 PSI
  - **Tip:** 0.013 – 0.015 Reversible
  - **Hose:** ¼ inch (6.3 mm) - ¾ inch (10 mm)

## PRODUCT LIMITATIONS

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

## CLEAN UP & THINNING INSTRUCTIONS

- **Clean Up:** Clean up any minor spills and spatters 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 APPLICATION – General

**Richard's Bond-Crete Silicone/Acrylic Concrete Stain** may be easily applied with a quality brush, roller, or spray equipment as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed. Surface 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 always 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.
- **Brush Applications:** When applying by brush, use a quality nylon or polyester bristle brush, or a quality combination of both, and apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- **Roller Application:** When applying by roller cover, use a quality smooth, medium or rough nap roller, depending on surface porosity, and apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respraying or reworking.
- **Spray Application:** 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.
- Rough or textured surfaces coated using spray equipment should be back-rolled to ensure a uniform film, even coverage and proper adhesion.
- 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. Do not apply when surface and air temperature is within 5° of dew point.
- 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.

## 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!**

**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](http://www.epa.gov/lead).

## LIMITED WARRANTY

Richard's Paint Mfg. Co., Inc. warrants our products to meet the application, appearance and performance properties stated on the label. This Limited Warranty shall not apply to any defect or damage resulting from improper surface preparation, structural defects, failure of a previous paint or improper application of the coating, as described in the directions on the label of this container. If this product is found not to perform as specified, Richard's Paint will, at its option and upon presentation of proof-of-purchase (the original receipt), either furnish an equivalent amount of new product or refund the original purchase price of this product to you. **ALL OTHER WARRANTIES ARE EXCLUDED BY RICHARD'S PAINT MFG. CO., INC., EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

## LIMITATIONS

Seller's liability for any reason is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. **THIS WARRANTY EXCLUDES (1) LABOR AND COSTS ASSOCIATED WITH LABOR FOR THE APPLICATION OR REMOVAL OF ANY PRODUCT, AND (2) ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OR RESULTING FOR ANY REASON UNDER THE SALE, HANDLING, OR USE OF GOODS SOLD.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state. This Limited Warranty may not be transferred or assigned.

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