



# PRODUCT DATA SHEET

PROD. #512  
**BOND-CRETE**  
**CHATTAHOOCHEE EPOXY SEALER**



## PRODUCT DESCRIPTION

**Bond-Crete Chattahoochee Epoxy Sealer** is an extremely durable single-component clear epoxy coating specially formulated to protect and restore the original lustre to Chattahoochee stone surfaces. Its special epoxy formulation helps seal and glaze both mortar and epoxy set stone. It provides superior durability, excellent resistance to water penetration, stain resistance, alkali resistance, and mar and scuff resistance. Because of its higher solids formula, it helps secure loose pebbles, stones or Chattahoochee rock to its cementitious substrate, resists discoloring, ultra-violet light rays, and is easy to apply.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE
<ul style="list-style-type: none"> <li>Single Component Epoxy Formula</li> <li>Rich Gloss Finish</li> <li>Excellent Durability</li> <li>Abrasion Resistant</li> <li>Moisture Resistant</li> <li>Seals &amp; Secures</li> <li>Easy To Use</li> <li>Product Versatility</li> </ul>	<i>Suitable for the following properly prepared surfaces:</i> <b>EXTERIOR</b> Chattahoochee Rock    Brick Pavers Flagstone                  Concrete Floors Stamped Concrete      Exposed Aggregate River Rock                 Decorative Stone  <b>For Exterior Use Only!</b>	<b>Product Quality:</b> Premium <b>Product Use:</b> Exterior <b>Application:</b> Brush, Roller Cover, Airless Spray <b>Product System:</b> Solvent-Based <b>Finish:</b> Gloss	<b>AIM</b> Yes <b>OTC</b> No <b>CARB</b> No <b>SCAQMD</b> No <b>MPI #</b> No <b>LEED® 09CI</b> No <b>LEED® 09NC</b> No <b>LEED® 09CS</b> No <b>LEED® H</b> No

## 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.

- Scrub entire surface area to be coated with a Tri-Sodium Phosphate (TSP) detergent solution using a stiff bristle brush to thoroughly spread solution over surface area to remove dirt and oils from stone and pebble grooves, joints and crevices. Rinse with clean water and allow to dry thoroughly.
- 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.
- Prior to applying Bond-Crete to any previously painted surface, it is recommended to apply a small sample of Bond-Crete to a small area of the existing finish to test for compatibility. If wrinkling, lifting, excessive bubbling slow drying or any other defective result occurs, the existing coating should be completely removed, and treated as a new surface.

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

## PRODUCT ANALYSIS DATA

PIGMENT: 0.00%

VEHICLE: 100.00%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

## TECHNICAL DATA

- COLORS:** Clear
- TINTING:** Not recommended
- VEHICLE TYPE:** Epoxy-Ester
- VISCOSITY:** 22 Sec. - #2 Zahn Cup
- GLOSS @ 60°:** Gloss / 90 units
- FLASH POINT:** 50° F
- VOC:** Not to Exceed 600 g/l – 5.04 lb/gal (Meets AIM Standards)
- SOLIDS:** By Volume: 24.29% ± 2%  
By Weight: 30.43% ± 2%
- COVERAGE:** 150 – 350 Sq. Ft. / Gal. (Depending on Application & Surface Porosity.)
- MIL FILM:** Estimated @ 200 Sq. Ft. / Gal.  
**Wet:** 8.0 mils                                  **Dry:** 1.9 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)  
To Touch: 1 – 2 Hours  
Recoat: 4 – 6 Hours, or after overnight dry.
- CLEAN UP:** Mineral Spirits or VM&P Naphtha
- THINNING:** DO NOT TNIN!

## 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;

- **Chattahoochee Rock, Pebble, & Stone:**
  - Self-Priming
- **Masonry & Concrete:**
  - Self-Priming

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality combination nylon/polyester, or natural china bristle brush.
- **Roller Application:** Apply using a smooth - medium nap solvent resistant synthetic, lamb's wool or mohair roller cover, depending on texture or surface porosity.
- **Spray Application:**
  - **Pump:** Gas or Electric Airless Sprayer
  - **Pressure:** Minimum 1500 – 2000 PSI
  - **Tip:** 0.013" – 0.017" Reversible
  - **Hose:** ¼ inch (6.3 mm) - ½ inch (10 mm)

## PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – N/A	Gallons – 4/case
2 Gallons – N/A	5 Gallons - Each
- **Weight Per Gallon:** 6.95 lbs.

## CLEAN UP & THINNING INSTRUCTIONS

**Clean Up:** Clean up any minor spills and splatters immediately with **Mineral Spirits**, 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!**

## 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

## PRODUCT APPLICATION – General

**Bond-Crete Chattahoochee Epoxy Sealer** may be easily applied with a quality brush, roller cover, or airless spray equipment as follows;

- Surface area to be sealed must be dry for at least 24 hours prior to application.
- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- **Do Not Pour Sealer Onto Area!**
- For best results, it is recommended to apply two (2) finish coats.
- 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" – 0.017" 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 sealer 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.

## 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.

## PRECAUTIONARY & SAFETY INFORMATION

**CAUTIONS: FLAMMABLE! HARMFUL OR FATAL IF SWALLOWED! CONTAINS VM&P NAPHTHA!** Keep away from heat, sparks and open flames. **INSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Where ventilation is inadequate, use a suitable respirator. Turn off main gas valve until after coating has dried, then have pilot lights re-lighted by a responsible person. Avoid prolonged contact with skin and breathing of vapors and/or spray mists. When spraying this material, use an **OSHA** approved cartridge respirator. 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!**

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

**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 contents herein may be harmful or fatal.

**KEEP OUT OF REACH OF CHILDREN!**