

# PRODUCT DATA SHEET PROD.#510 BOND-CRETE SILICONE/ACRYLIC CLEAR CONCRETE WATERPROOF SEALER



#### PRODUCT DESCRIPTION

Bond-Crete Silicone/Acrylic Concrete Waterproof Sealer is a durable clear masonry waterproofing stain coating designed to penetrate into unpainted and/or unsealed cementitious surfaces. Its special formulation of solvents, acrylic resin, and silicone 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	
Solvent Acrylic Formula	Suitable for the following properly prepared surfaces;		Product Quality:	Premium	AIM	No
Rich Gloss Sheen	EXTERIOR – New or Unpainted		Product Use:	Exterior	OTC	No
<ul> <li>Fast Dry</li> </ul>	Concrete	Patios & Walkways	Application:	Brush, Roller Cover,	CARB	No
<ul> <li>Penetrates &amp; Seals</li> </ul>	Brick	Garage Floors		Airless Spray	SCAQMD	No
<ul> <li>Superior Weather Resistance</li> </ul>	Concrete Wall	Driveways	Product System:	Solvent-Based	MPI#	No
<ul> <li>Superior Wear Resistance</li> </ul>	Masonry	Tennis Courts	Finish:	Gloss	LEED® 09CI	No
<ul> <li>Prevents Moisture</li> </ul>	Precast Concrete	Pool Decks			LEED® 09NC	No
Penetration	Stucco	Carport Floors			LEED® 09CS	No
<ul> <li>Resists Staining</li> </ul>	For Exterior Use Only!				LEED® H	No
<ul> <li>Waterproofs</li> </ul>	Special Note: Tire tracking may occur when applied to					
•	Driveways, Carport & Garage Floors!					

#### SURFACE PREPARATION

<u>General:</u> 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

<u>PIGMENT: 0.00%</u> <u>VEHICLE: 100.00%</u>

More Detailed Product Analysis Data Is Available Upon Request.

## TECHNICAL DATA

· COLORS: Clear

TINTING: Industrial Colorants

· VEHICLE TYPE: Solvent Acrylic

VISCOSITY: 53 KU ± 2

• GLOSS @ 60°: Gloss / 90 units

• FLASH POINT: 45° F

• VOC: Not to Exceed 700 g/l - 5.88 lb/gal

• **SOLIDS:** By Volume: 19.49% ± 2% By Weight: 23.42% ± 2%

• COVERAGE: 175 – 350 Sq. Ft. / Gal. (Depending on Application & Surface Porosity.)

• MIL FILM: Estimated @ 250 Sq. Ft. / Gal. Wet: 6.4 mils Dry: 1.3 mils

DRY TIME: (@ 70° F & 50% Relative Humidity)
 To Touch: 1 – 2 Hours

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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:** 1/4 inch (6.3 mm) - 3/8 inch (10 mm)

## PACKAGING & WEIGHT PER GALLON

Packaging: Quarts – N/A Gallons – 4/case
 2 Gallons – N/A 5 Gallons - Each

Weight Per Gallon: 7.62 lbs.

## **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 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 Clear Concrete Waterproof Sealer may be easily applied with a quality brush, roller cover, or airless spray equipment as follows;

- Surfaces to be painted should be completely dry for 24 hours before application.
- For best results, it is recommended to apply two 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.
- 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.

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

# PRECAUTIONARY & SAFETY INFORMATION

<u>CAUTIONS:</u> 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.

<u>NOTICE:</u> 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**

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