



# PRODUCT DATA SHEET

PROD. #4470

## FLOOR-TITE WATERBORNE ACRYLIC BONDING SURFACER



### PRODUCT DESCRIPTION

Richard's Floor-Tite Waterborne Acrylic Bonding Surfacers primes, seals and adheres to bare and previously painted concrete surfaces. Use as a bonding primer or tie coat over aged acrylics, alkyds, solvent acrylic concrete stains, and other coatings on walking and driving surfaces, including stairs, patios, carport and garage floors. This primer is highly alkali and moisture resistant, making it an excellent choice for interior and exterior use. Dries quickly for same-day recoat and cleans up easily with warm soapy water.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> <li>Waterborne Acrylic</li> <li>Resists Hot Tire Pick-Up</li> <li>Alkali Resistant</li> <li>Moisture Resistant</li> <li>Improves Adhesion</li> <li>Dries Fast</li> <li>Soap &amp; Water Clean-Up</li> <li>Easy To Apply</li> </ul>	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p><b>INTERIOR/EXTERIOR</b></p> <ul style="list-style-type: none"> <li>Garage &amp; Carport Floors</li> <li>Pool Decks</li> <li>Patios</li> <li>Catwalks</li> <li>Concrete Floors</li> <li>Balconies</li> <li>Poured Concrete</li> <li>Loading Docks</li> <li>Painted Surfaces</li> <li>Warehouse Floors</li> </ul> <p><b>Great For Interior &amp; Exterior Use!</b></p>	<p><b>Product Quality:</b> Premium / Best</p> <p><b>Product Use:</b> Interior / Exterior</p> <p><b>Application:</b> Brush, Roller &amp; Spray</p> <p><b>Product System:</b> Water-Based</p> <p><b>Sheen:</b> Low Sheen</p> <p><b>MPI Standard:</b> No</p> <p><b>VOC Compliance:</b> AIM, LADCO, OTC Phase I &amp; II, CARB, SCAQMD</p>

### SURFACE PREPARATION

**GENERAL:** The entire surface to be painted should be clean, dry, sound, fully cured, and free from dirt, chalk, grease, oils, waxes, curing and release agents, laitance, efflorescence, mildew and any other surface contaminants that may adversely affect the performance of this coating. Use Richard's 248 Shield's All Oil & Grease Remover to remove contaminants, petroleum-based oils, grease, vegetable and animal fats.

- GALVANIZED & ALUMINUM:** Exterior galvanized and aluminum surfaces that have weathered for at least 12 months should be cleaned by pressure washing prior to application. If coating new un-weathered aluminum or galvanized steel, particularly chromate treated or passivated metal surfaces, apply a spot test and check adhesion.
- PREVIOUSLY PAINTED SURFACES:** This sealer may be applied as a tie coat over aged acrylics, alkyds, solvent acrylic concrete stains, and theroset coatings. The entire surface area should be clean, as stated above. Remove any loose, scaling, cracked or peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as electric sanders or grinders, etc. Sand rough paint edges smooth to adjacent surface area. Sand glossy surfaces to dull existing finish.
- SURFACE REPAIRS:** Repair/replace any damaged and/or delaminated surface areas with the proper recommended patching and/or building materials. Allow all patching materials to dry thoroughly before application of paint coatings.
- MASONRY / CONCRETE:** All new concrete and masonry surfaces be allowed a minimum 30 - 45 days to properly dry/cure. The surface should be tested for pH and alkali levels and should not read higher than a 10.0 level. Clean surface thoroughly to remove contaminants, oil, grease and embedded chemicals. Smooth, slick, glazed, poured or pre-cast concrete should be acid etched, abrasive or shot blasted providing a finish similar to that of 60 grit sandpaper.
- MILDEW:** Surface areas affected by mildew should be treated with a commercial mildew removal and/or cleaner 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).

### TECHNICAL DATA

- COLORS:** Translucent Green
- TINTING:** Not Recommended
- VEHICLE TYPE:** Proprietary Waterborne Acrylic
- VISCOSITY:** 81 KU ± 2
- GLOSS @ 60°:** Flat / 7 - 9 units
- FLASH POINT:** N/A
- COATING VOC:** Not to Exceed 100 g/l - 0.83lb/gal  
*(Meets All VOC Jurisdiction Standards)*
- SOLIDS BY VOLUME:** 31.6% ± 2%
- SOLIDS BY WEIGHT:** 40.3% ± 2%
- ESTIMATED COVERAGE:** 300 - 400 SFPG  
*(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)*
- RECOMMENDED MIL FILM:** *(Estimated @ 350 SFPG)*  
**Wet:** 4.6 mils      **Dry:** 1.3 mils
- ESTIMATED DRY TIME:** *(@ 70° F & 50% Relative Humidity)*  
**To Touch:** 1 - 2 hrs. | **Recoat:** 4 - 6 hrs.  
*(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)*
- DRIES BY:** Coalescence / Solvent Evaporation
- CLEAN UP:** Warm Soap & Water
- THINNING:** Clean Water
- WEIGHT/GAL:** 9.5 lbs.
- SHELF LIFE:** 2 - 3 years unopened.
- PACKAGING:** 1 Gal. - 4/ea. | 5 Gal. - Each

## RECOMMENDED FINISH COATINGS

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

- **Concrete Floors:**
  - 4200, Deck Guard Patio & Deck Coating
  - 5500 Deck Guard HP Acrylic Driveway & Floor Coating
  - 4600 Step Guard 100% Anti-Slip Floor Coating
- **Masonry Walls:**
  - 220, Eternity Exterior High Performance Coating
  - 100, Signature Series 100% Acrylic Flat House Paint
  - 400 Signature Series Exterior Acrylic Satin
  - 650 Rich Shield Premium 100% Acrylic Flat House Paint
- **Non-Ferrous Metal:**
  - 1000, Rust Shield Polyurethane Industrial Gloss Enamel
  - 1200/1240/1250, Excel Waterborne DTM Acrylic Enamel

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- **Roller Application:** Apply using a smooth to rough nap synthetic or lamb's wool roller cover, depending on the texture and surface porosity.
- **Spray Application:**
  - **Pump:** Gas or Electric Airless Sprayer
  - **Pressure:** Minimum 2000 PSI
  - **Tip:** 0.015 – 0.017 Reversible
  - **Hose:** ¼ inch (6.3 mm) - ⅜ inch (10 mm)

## 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.

## CLEAN UP & THINNING INSTRUCTIONS

**Clean Up:** Clean up any minor spills and splatters immediately with warm soapy water, as well as all painting tools and airless equipment. More serious 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. However, if thinning is required, you may add clean water up to ½ pint per gallon.

## PRODUCT APPLICATION – General

Richard's Floor-Tite Waterborne Acrylic Bonding Surfacers may be easily applied with a quality brush, roller, or spray equipment as follows;

- **NOTE: Apply a spot test to check adhesion over aged silicone acrylics, epoxies, or existing coatings of an unknown type. When in doubt, test for adhesion. Allow a minimum of 72 hours dry time before checking adhesion.**
- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- For best results, apply by brush or roller to work product into surface pores.
- 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 respreading or reworking.
- **Spray Application:** When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.015 – 0.017 fluid spray tip.
- Rough or textured surfaces coated using spray equipment should be back-rolled to work primer into surface pores, 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°F of the 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.
- **KEEP FROM FREEZING!**

## PRECAUTIONARY & SAFETY INFORMATION

**CAUTIONS:** Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. **USE WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, 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!**

**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.

**KEEP OUT OF REACH OF CHILDREN!**

## 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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