



# PRODUCT DATA SHEET

PROD. #52

SHIELD'S ALL

WATER REPELLENT SEALER



## PRODUCT DESCRIPTION

Richard's Shield's All Water Repellent Sealer is a specially formulated waterborne water-repellent coating for new or unpainted wood and masonry surfaces. Its special formula is designed as an alternative to the solvent-based water-repellent coatings that contain silicones. It provides excellent sealing and water-beading properties, reduces water adsorption and swelling of wood. It has excellent breathing properties and is formulated to be VOC compliant. Contains No Silicones or Waxes.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> <li>Special Waterborne Formula</li> <li>Penetrates &amp; Seals</li> <li>Reduces Wood Swelling</li> <li>Excellent Water-Beading</li> <li>VOC Compliant</li> <li>Product Versatility</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>Plaster</li> <li>Skip-Troweled Walls</li> <li>Tile Grout</li> <li>Canvas</li> <li>Stucco</li> <li>Masonry</li> <li>Decorative Brick</li> <li>Stone</li> <li>Wood Siding &amp; Trim</li> <li>Wood Fencing</li> <li>Shakes &amp; Shingles</li> <li>Wood Railings</li> </ul> <p><b>Great For Interior &amp; Exterior Use!</b></p>	<p><b>Product Quality:</b> Premium / Specialty</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> Transparent</p> <p><b>MPI Standards:</b> No</p> <p><b>VOC Compliance:</b> AIM, CARB, LADCO, OTC II, SCAQMD</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.

**PAINTED SURFACES:** Not Recommended For Application To Previously Painted Surfaces!

**NEW SURFACES:** **WOOD:** All new wood surfaces must be clean, dry and sound, and should be sealed before installation or immediately after. Do not allow exterior wood to weather. Weathered wood surfaces should be sanded to expose fresh wood surface before coating. Remove any grade stamps or pencil marks from new wood by lightly sanding. Wood moisture content should be below 15% and wood surfaces that have a mill glaze should be sanded to allow for proper adhesion.

**MASONRY & CONCRETE:** Allow a minimum 30 - 45 days to properly dry/cure in accordance with industry standards. The surface should be tested for pH and alkali levels and should not read higher than an 8.5 - 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 following the manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

**NOTE: Not Recommended For Surfaces That Are To Be Painted. DO NOT APPLY MORE THAN ONE COAT! This Product Will Interfere With The Adhesion Of Top-Coats!**

**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:** Clear
- TINTING:** Not Recommended
- VEHICLE TYPE:** Waterborne Proprietary
- VISCOSITY:** N/A
- GLOSS @ 60°:** Transparent
- FLASH POINT:** N/A
- COATING VOC:** Not to Exceed 50 g/l – 0.42 lbs./gal  
(Meets AIM, CARB, LADCO, OTC II & SCAQMD Standards)
- SOLIDS BY VOLUME:** 9.93% ± 2%
- SOLIDS BY WEIGHT:** 11.00% ± 2%
- ESTIMATED COVERAGE:** 200 – 400 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:** 0.5 mils
- ESTIMATED DRY TIME:** (@ 70° F & 50% Relative Humidity)  
**To Touch:** 30 min. | **Full Repellency:** 48 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:** Do Not Thin
- WEIGHT/GAL:** 8.43 lbs.
- SHELF LIFE:** 2 - 3 years unopened.
- PACKAGING:**

<b>Quarts:</b>	N/A	<b>Gallons:</b>	4 per case
<b>2 Gallons:</b>	N/A	<b>5 Gallon:</b>	Each

## RECOMMENDED PRIMER COATINGS

Shield's All Water Repellent Sealer is formulated to be self-sealing on properly prepared wood, concrete and masonry.

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- **Roller Application:** Apply using a 3/8" - 1 1/4" 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:** 0.011 – 0.013 Reversible
  - **Hose:** 1/4 inch (6.3 mm) - 3/4 inch (10 mm)

## PRODUCT LIMITATIONS

- Not for application to previously painted surfaces.
- Not recommended for surfaces that are to be painted.
- 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. **Do Not Thin!**

## PRODUCT APPLICATION – General

Richard's Shield's All Water Repellent Sealer may be easily applied with a quality brush, roller, airless spray equipment, or low-pressure pump-up sprayer as follows;

- **DO NOT APPLY MORE THAN ONE (1) COAT!**
- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- During application, 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 0.011 – 0.013 fluid spray tip. If applying with a low-pressure pump-up sprayer, spray coating evenly, working in sections, until entire surface area is coated.
- 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 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.

## 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.