



PRODUCT DATA SHEET

PROD. #52
SHIELD'S ALL PLUS
WATER REPELLENT SEALER



PRODUCT DESCRIPTION



Shield's All Plus 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 has zero VOC's. Contains No Silicones or Waxes.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES												
<ul style="list-style-type: none"> Special Waterborne Formula Penetrates & Seals Reduces Wood Swelling Excellent Water-Beading Properties Zero VOC's Product Versatility Easy To Apply 	<p><i>Suitable for, but not limited to application on the following properly prepared surfaces;</i> INTERIOR / EXTERIOR</p> <table border="0"> <tr> <td>Plaster</td> <td>Decorative Brick</td> </tr> <tr> <td>Skip-Troweled Walls</td> <td>Stone</td> </tr> <tr> <td>Tile Grout</td> <td>Wood Siding & Trim</td> </tr> <tr> <td>Canvas</td> <td>Wood Fencing</td> </tr> <tr> <td>Stucco</td> <td>Shakes & Shingles</td> </tr> <tr> <td>Masonry</td> <td>Wood Railings</td> </tr> </table> <p>Great For Both Interior & Exterior Use!</p>	Plaster	Decorative Brick	Skip-Troweled Walls	Stone	Tile Grout	Wood Siding & Trim	Canvas	Wood Fencing	Stucco	Shakes & Shingles	Masonry	Wood Railings	<p>Product Quality: Premium / Specialty Product Use: Interior / Exterior Application Methods: Brush, Roller, Hand Pump & Airless Sprayers Product System: Water-Based Sheen: Transparent VOC Compliance: AIM, CARB, LADCO/OTC, SCAQMD</p>
Plaster	Decorative Brick													
Skip-Troweled Walls	Stone													
Tile Grout	Wood Siding & Trim													
Canvas	Wood Fencing													
Stucco	Shakes & Shingles													
Masonry	Wood Railings													

SURFACE PREPARATION

General: The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, paint, mildew and any other surface contaminants that may adversely affect the performance of this coating material.

NOTE: Not Recommended For Application To Previously Painted Surfaces!

- Previously painted surfaces should be completely stripped by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as electric sanders, grinders, etc., to expose the original, and/or more suitable surface for the application of this product.
- Repair/replace all damaged, deteriorated, and surface imperfections with the proper patching compounds and/or building materials. All patching materials should be allowed to dry thoroughly.

SPECIAL 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!

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

PIGMENT: 0.00%

VEHICLE: 100.00%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** Clear
- TINTING:** Not Recommended
- VEHICLE TYPE:** Waterborne
- VISCOSITY:** N/A
- GLOSS @ 60°:** Transparent
- FLASH POINT:** N/A
- VOC:** Not to Exceed 50 g/l - 0.42 lb/gal
(Meets AIM, OTC/LADCO, CARB & SCAQMD Standards)
- SOLIDS:** By Volume: 9.93% ± 2%
By Weight: 11.00% ± 2%
- COVERAGE:** 200 – 400 Sq. Ft. / Gal.
(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)
- MIL FILM:** Estimated @ 300 Sq. Ft. / Gal.
Wet: 5.3 mils **Dry:** 0.5 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 30 Minutes
Full Repellency: 48 Hours
(Dry times listed may vary according to relative humidity, temperature, film build, color and air movement.)
- DRIES BY:** Coalescence / Solvent Evaporation
- CLEAN UP:** Warm Soapy Water
- 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 Plaster/Skip-Troweled Walls:**
 - Self-Priming
- **New Masonry & Cementitious Surfaces:**
 - Self-Priming
- **New Wood Surfaces:**
 - Self-Priming

SPECIAL NOTE: All new cementitious substrates, such as Masonry, Concrete, Cinder Blocks, etc. should be allowed 30 – 90 days to properly dry/cure, in accordance with industry standards. Richard's Paint Mfg. Co., Inc. will not be held responsible for product failure if these types of substrates are painted too soon.

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, or textured roller cover, depending on the texture and surface porosity.
- **Spray Application:**
 - **Pump:** Gas or Electric Airless Sprayer
 - **Pressure:** Minimum 1500 – 2000 PSI
 - **Tip:** 0.011 – 0.013 Reversible
 - **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 – N/A |
- **Weight Per Gallon:** 8.43 lbs.
 - **Shelf Life:** Unopened – 2 to 3 Years

CLEAN UP & THINNING INSTRUCTIONS

Clean Up: Clean up any minor spills and spatters immediately with warm soapy water, 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. However, if thinning is required, you may add clean water up to 1/2 pint per gallon.

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.

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PRODUCT APPLICATION – General

Shield's All Plus may be easily applied with a quality brush, roller cover, 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.
- 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 0.011 – 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 coating
- 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 chance of moisture condensing on wet paint.

PRODUCT LIMITATIONS

- **DO NOT APPLY MORE THAN ONE (1) COAT!**
- 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: 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!