



PRODUCT DATA SHEET

PROD. 50

SHIELD'S ALL CLEAR 100% ACRYLIC WATERPROOFING SEALER



PRODUCT DESCRIPTION

Richard's Shield's All Clear 100% Acrylic Waterproofing Sealer is a 100% acrylic waterproofing sealer specially formulated to provide superior protection from moisture penetration and the effects of weathering on a variety of properly prepared substrates. It may be top-coated with water-based paints, and elastomeric coatings. It may also be used as a surface conditioner for lightly chalked painted substrates. Easy to apply, it is mildew resistant, non-flammable, resists salts and acids, and is safe for use on pre-colored cementitious surfaces. It is fast drying and it may be mixed with latex-based coatings - (1 part Shield's All to 10 parts latex paint), to improve products overall weathering properties. Environmentally safe, it is non-toxic to humans, animals and vegetation, and is low VOC.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> 100% Acrylic Formula Penetrates & Seals Waterproofs Mildew Resistant Dries Clear Easy To Apply VOC Compliant 	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p>INTERIOR/EXTERIOR</p> <ul style="list-style-type: none"> Masonry Drywall Plaster Stucco Tile Grout Wood Trim & Siding Concrete Decorative Brick Stone Masonite Siding Wood Shingles Painted Surfaces <p>Great For Interior & Exterior Use!</p>	<p>Product Quality: Premium</p> <p>Product Use: Interior / Exterior</p> <p>Application: Brush, Roller, & Spray Application</p> <p>Product System: Water-Base</p> <p>Sheen: Gloss</p> <p>MPI Standards: No</p> <p>VOC Compliance: AIM, LADCO, OTC Phase I</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: Remove any loose scale, chalked, cracked and peeling paint from previously painted substrates by hand scraping, sanding, wire brushing and/or power tool cleaning. Sand rough paint edges smooth to adjacent surface area. Sand glossy surfaces. Spot prime bare surface areas with recommended primer material and allow to thoroughly dry before applying finish coatings.

NEW SURFACES: **DRYWALL:** Insure that the surface is dust & chalk free, and primed with recommended primer.

WOOD: All new wood surfaces must be clean, dry and sound, and should be properly primed and painted 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 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 following the 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.

TECHNICAL DATA

- COLORS:** Clear
- TINTING:** Universal Colorants (Up to 2 oz./Gal.)
- VEHICLE TYPE:** 100% Acrylic
- VISCOSITY:** 15 – 17 Sec. / #2 Zahn Cup
- GLOSS @ 60°:** Gloss | 75 units ± 2
- FLASH POINT:** N/A
- COATING VOC:** Not to Exceed 250 g/l – 2.10 lbs./gal (Meets AIM, LADCO, & OTC Phase I Standards)
- SOLIDS BY VOLUME:** 16.23% ± 2%
- SOLIDS BY WEIGHT:** 16.85% ± 2%
- ESTIMATED COVERAGE:** 75 – 400 SFPG (Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)
- RECOMMENDED MIL FILM:** (Estimated @ 350 SFPG)
Wet: 4.0 mils **Dry:** 0.7 mils
- ESTIMATED DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 1 – 2 hrs. | **Recoat:** 3 – 4 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:** 8.48 lbs.
- SHELF LIFE:** 2 - 3 years unopened.
- PACKAGING:**

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

RECOMMENDED PRIMER COATINGS

Although formulated to be self-priming on sound and properly prepared painted surfaces, the following Richard's primers are recommended for use on new or bare substrates;

- **New Gypsum Drywall / Plaster:**
 - Self-Priming
- **New Wood:**
 - Self-Priming
- **New Masonry**
 - Self-Priming
- **Previously Painted Surfaces:**
 - Self-Priming

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 1500 – 2000 PSI
 - **Tip:** 0.011 – 0.013 Reversible
 - **Hose:** 1/4 inch (6.3 mm) - 3/8 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. **Do Not Thin!**

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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PRODUCT APPLICATION – General

Richard's Shield's All Clear 100% Acrylic Waterproofing Sealer may be easily applied with a quality brush, roller cover, airless spray or low-pressure pump-up sprayer equipment as follows;

- 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.
- When applying to wood surfaces by brush or roller, apply in the direction of the wood grain.
- **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. When applying by low-pressure pump up sprayer, prime the tank by pumping until resistance is met. The tip should be adjusted to achieve an even and continuous fan spray of approximately 4" – 6" inches. Begin spraying material in a continuous manner, saturating the surface area but avoiding any puddling. If puddling occurs, use a brush, roller or pad to distribute excess material evenly.
- 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° 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.

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!