



PRODUCT DATA SHEET

PROD. #53

SHIELD'S ALL

CONCRETE FLOOR & DRIVEWAY SEALER / FINISH



PRODUCT DESCRIPTION

Richard's Shield's All Concrete Floor & Driveway Sealer / Finish is a special modified acrylic clear coating, specifically formulated for application as a finish coating for most bare and/or painted concrete substrates. Specially formulated using new technologies in acrylic polymers, it provides a hard and durable gloss finish that also seals the surface, providing excellent wear and abrasion resistance, moisture resistance and easier detergent cleaning. Easy to apply, it offers excellent product versatility allowing for application on a variety of interior and exterior substrates. It seals slightly chalked surfaces, has excellent gloss retention, provides excellent weather resistance, is fast drying and cleans up with water.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> Modified Acrylic Formula Durable Gloss Finish Excellent Sealing Qualities Wear & Abrasion Resistant Moisture Resistant Excellent Weathering Properties Excellent Product Versatility Easy To Apply 	<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"> Concrete Floors Patios, Walkways Warehouse Floors Loading Docks Stadium Ramps Pool Decks Masonry Concrete Block Stucco Garage Floors Driveways Decorative Stone, Etc. <p>Great For Interior & Exterior Use!</p>	<p>Product Quality: Premium</p> <p>Product Use: Interior / Exterior</p> <p>Application: Brush, Roller & Spray</p> <p>Product System: Water-Based</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 loose, scaling, chalked, cracking and peeling paint by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as electric sanders, grinders, etc. Sand smooth all rough paint edges. Glossy surfaces should be properly dulled. Repair / replace damaged, delaminated and/or surface imperfections with the proper patching compounds or building materials. Apply touch-up paint to bare areas, as necessary, to achieve a uniform paint finish.

NEW SURFACES: **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 8.5 - 10.0 level. Clean surface thoroughly to remove contaminants, oil, grease and embedded chemicals with Richard's #248, Shield's All Oil & Grease Remover. Dense, non-porous concrete surfaces must be properly acid etched with muriatic acid mixed with water, 3 parts water to 1 part acid. After etching, neutralize and rinse the surface thoroughly with clean water.

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 – (2 oz. per gal.)
- VEHICLE TYPE:** Waterborne Acrylic
- VISCOSITY:** 16 Sec. / #2 Zahn Cup
- GLOSS @ 60°:** Gloss | 70 units ± 5
- FLASH POINT:** N/A
- COATING VOC:** Not to Exceed 400 g/l – 3.34 lbs./gal.
(Meets AIM, LADCO & OTC Phase I Standards)
- SOLIDS BY VOLUME:** 26.20% ± 2%
- SOLIDS BY WEIGHT:** 28.13% ± 2%
- ESTIMATED COVERAGE:** 200 – 350 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:** 1.4 mils
- ESTIMATED DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 1 - 2 hrs.
Recoat & Light Foot Traffic: 4 - 6 hrs.
Vehicle Traffic: 72 hrs.
(NOTE: Actual dry & curing time may vary according to relative humidity, temperature, applied film build and air movement.)
- DRIES BY:** Coalescence / Solvent Evaporation
- CLEAN UP:** Warm Soap & Water
- THINNING:** Clean Water
- WEIGHT/GAL:** 8.44 lbs.
- SHELF LIFE:** 2 - 3 years unopened.
- PACKAGING:** Gal. - 4/cs. | 5 Gal. - Each

RECOMMENDED PRIMER COATINGS

Shield's All Concrete Floor & Driveway Sealer/Finish is formulated to be self-priming on new and bare concrete and masonry, as well as previously painted surfaces.

APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- **Roller Application:** Apply using a smooth - medium 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 – 0.015 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.

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.

REV 11-17

PRODUCT APPLICATION – General

Richard's Shield's All Concrete Floor & Driveway Sealer / Finish may be easily applied with a quality brush, roller, or spray equipment as follows;

NOTE: This finish may become slippery when wet. Therefore, when used on horizontal surfaces, such as floors, patios, or any floor area exposed to moisture, the use of a non-skid additive is recommended, such as Richard's SG-60, Skid Guard Non-Skid Additive.

- Stir thoroughly before and during application. DO NOT SHAKE! Shaking can incorporate air bubbles, which would appear in finish.
- For best results, it is recommended to apply two (2) finish coats, and apply by brush or roller to effectively work coating into surface pores.
- 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 apply be roller, use a maximum ¼" to ⅜" short nap roller. Wet the roller thoroughly with water and squeeze or squeegee our excess water, and apply thin and even coats. Roll coating out slowly to prevent foaming, and use light pressure on the roller to prevent roller from sliding or mopping the surface. Avoid 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 – 0.015 fluid spray tip.
- 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.