



PRODUCT DATA SHEET

PROD. #53

SHIELD'S ALL

CONCRETE FLOOR & DRIVEWAY SEALER / FINISH



PRODUCT DESCRIPTION

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	VOC COMPLIANCE												
<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 the following properly prepared surfaces;</i></p> <p>INTERIOR / EXTERIOR</p> <table border="0"> <tr> <td>Concrete Floors</td> <td>Masonry</td> </tr> <tr> <td>Patios, Walkways</td> <td>Concrete Block</td> </tr> <tr> <td>Warehouse Floors</td> <td>Stucco</td> </tr> <tr> <td>Loading Docks</td> <td>Garage Floors</td> </tr> <tr> <td>Stadium Ramps</td> <td>Driveways</td> </tr> <tr> <td>Pool Decks</td> <td>Decorative Stone, Etc.</td> </tr> </table> <p>Great For Both Interior & Exterior Use!</p>	Concrete Floors	Masonry	Patios, Walkways	Concrete Block	Warehouse Floors	Stucco	Loading Docks	Garage Floors	Stadium Ramps	Driveways	Pool Decks	Decorative Stone, Etc.	<p>Product Quality: Premium / Best</p> <p>Product Use: Interior / Exterior</p> <p>Application: Brush, Roller Cover, Airless Spray</p> <p>Product System: Water-Based</p> <p>Finish: Gloss</p>	<p>AIM Yes</p> <p>OTC Yes</p> <p>CARB No</p> <p>SCAQMD No</p> <p>MPI # No</p> <p>LEED® 09CI Yes</p> <p>LEED® 09NC Yes</p> <p>LEED® 09CS Yes</p> <p>LEED® H Yes</p>
Concrete Floors	Masonry														
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SURFACE PREPARATION

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

- 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.
- For exterior surfaces, pressure wash the entire surface area using a unit with a minimum of 2000 psi of water pressure. More difficult areas should be hand scraped, sanded, wire brushed and/or power tool cleaned as mentioned above.
- The surface area to be coated should be porous. To test the porosity of the substrate, apply a few drops of water to the substrate. If the water does not absorb into the substrate immediately, it will need to be properly etched using a 1:3, Muriatic Acid:Water mixture, per gallon solution.
- Repair/replace any damaged and/or delaminated surface areas with the proper patching and/or building materials. Allow all patching materials to dry thoroughly before application of paint coatings.
- Apply touch-up paint to bare areas and/or repaint the surface area, as necessary, to achieve a uniform finish.
- Sand all rough paint edges smooth to adjacent surface area. Sand all glossy surfaces to dull existing finish.

Mildew - Treat surface areas affected by mildew with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

NOTE: Allow all new concrete and masonry substrates to dry/cure for a minimum of 30 days before application of any paint coating, and in accordance with industry standards.

- 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:** Universal Colorants Up To 2 oz./Gal.
- VEHICLE TYPE:** Waterborne Acrylic
- VISCOSITY:** 16 Sec. / #2 Zahn Cup
- FINISH:** Gloss
- FLASH POINT:** N/A
- VOC:** Not to Exceed 250 g/l – 2.10 lb/gal (Meets AIM & OTC Standards)
- SOLIDS:** By Volume: 30.24% ± 2%
By Weight: 32.53% ± 2%
- COVERAGE:** 250 – 350 Sq. Ft. / Gal. (Depending on Application & Surface Porosity.)
- MIL FILM:** Estimated @ 300 Sq. Ft. / Gal.
Wet: 5.3 mils **Dry:** 1.6 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 1 – 2 Hours
Recoat: 24 Hours
Light Foot Traffic: 24 Hours
Vehicle traffic: 72 Hours
- CLEAN UP:** Warm Soapy Water
- THINNING:** Not Recommended!

RECOMMENDED PRIMER COATINGS

Although formulated to be self-priming, the following Richard's products are recommended primer coatings for this finish coating material.

- **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 ¾" - 1¼" 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 – 0.015 Reversible
 - **Hose:** ¼ inch (6.3 mm) - ⅝ inch (10 mm)

PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – N/A	Gallons – 4/case
2 Gallons – N/A	5 Gallons - Each
- **Weight Per Gallon:** 8.54 lbs.

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.

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.

REV 09-13

PRODUCT APPLICATION – General

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

- Stir thoroughly before and during application. DO NOT SHAKE! Shaking can incorporate air bubbles, which would appear in finish.
- For best results, apply by brush or roller to effectively work coating into surface pores.
- When applying by brush, apply thin and even coats on smaller surface areas, such as trim or cutting-in larger surface areas.
- When apply be roller, use a maximum ¼" to ⅝" 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. Always maintain a wet edge during application by brushing or rolling into previously applied coating area and avoid puddling, running or foaming.
- When applying by airless spray, use a unit with a minimum or 2000 psi of pressure with a 0.011 to 0.015 fluid spray tip.
- During spray application, it is recommended to back-roll the surface area to ensure proper adhesion and even coat application, and to effectively work coating into surface pores.
- 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 afternoon when there is a threat of moisture condensing on newly painted surfaces.

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.

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!