

PRODUCT DATA SHEET PROD. #54 SHIELD'S ALL HP CONCRETE & PAVER SEALER / FINISH



PRODUCT DESCRIPTION

Richard's Shield's All HP Concrete & Paver Sealer is a high performance clear acrylic coating formulated for application as a finish coating for most bare and/or painted concrete substrates. Specially formulated using the latest acrylic polymer technology, 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.



Easy To Apply

MEETS MPI STANDARD #99 OF THE MASTER PAINTERS INSTITUTE'S APPROVED PRODUCTS LIST.

Great For Interior & Exterior Use!

	PRODUCT FEATURES	PRODUCT USES		PERFORMANCE QUALITIES	
•	Self-Crosslinking Acrylic	Suitable for, but not limited to the following properly prepared surfaces;		Product Quality: Product Use:	Premium Interior / Exterior
•	Durable Gloss Finish	INTERIOR/EXTERIOR			
•	Excellent Sealing Qualities	Concrete Floors	Masonry	Application:	Brush, Roller & Spray
•	Wear & Abrasion Resistant	 Patios, Walkways 	Concrete Block	Product System:	Water-Based
	Moisture Resistant	Warehouse Floors	Stucco	Sheen:	Gloss
•	Excellent Weathering	 Loading Docks 	 Garage Floors 	MPI Standards:	MPI #99
	Properties	Stadium Ramps	Driveways	VOC Compliance:	AIM, LADCO, OTC Phase I & II, CARB,
•	Resists Hot Tire Pickup	 Pool Decks 	 Decorative Stone, Etc. 		and SCAQMD

SURFACE PREPARATION

<u>GENERAL:</u> 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 coating performance.

- <u>Previously Painted Surfaces:</u> 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. Sand all rough paint edges smooth to
 adjacent surface area. Sand all glossy surfaces to dull existing finish. Spot seal bare areas, as
 needed, to achieve a uniform finish.
- Surface Repairs: Repair/replace any damaged and/or delaminated surface areas with the proper recommended patching and/or building materials. Allow patching materials to dry thoroughly before application of sealer/finish.
- 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. Clean surfaces thoroughly with Richard's 248 Shield's All Oil & Grease
 Remover to remove contaminants, oil, grease and embedded chemicals. 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 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.

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: 18 Sec. / #2 Zahn Cup

• GLOSS @ 60°: Gloss | 78 units ± 2

FLASH POINT: N/A

COATING VOC: Not to Exceed 100 g/l – 0.83 lbs./gal

• SOLIDS BY VOLUME: $22.1\% \pm 2\%$ • SOLIDS BY WEIGHT: $24.1\% \pm 2\%$

 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: 1.0 mils

ESTIMATED DRY TIME: (@ 70° F & 50% Relative Humidity)
 To Touch: 1 – 2 hrs. | Recoat & Lt. 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
CLEAN UP: Warm Soap & Water
THINNING: Clean Water
WEIGHT/GAL: 8.52 lbs.

SHELF LIFE: 2 - 3 years unopened.

• **PACKAGING**: **Qts.** – N/A | **Gal.** – 4/cs. | **5 Gal.** - Each

RECOMMENDED PRIMER COATINGS

Shield's All HP Concrete & Paver 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.
- Pump-Up / Continuous Spray: Application using a quality continuous use pump-up sprayer is ideal for this finish. When sealing surfaces with a sprayer, back-rolling is required to achieve a uniform finish.
- · Spray Application:

• Pump: Gas or Electric Airless Sprayer

Pressure: Minimum 2000 PSI
 Tip: 0.011 – 0.015 Reversible

• Hose: 1/4 inch (6.3 mm) - 3/4 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 spatters 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.

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.

PRODUCT APPLICATION - General

Richard's Shield's All HP Concrete & Paver Sealer / Finish may be easily applied with a quality brush, roller, or 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, 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.
- <u>Brush Applications:</u> 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, use a maximum ¼" to ¾" nap roller. Wet the roller thoroughly with water and squeeze or squeegee out 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 re-spreading 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.
- Commercial grade low pressure pump-up and continuous-use sprayers are ideal for sealing brick paver surfaces. Sprayed surfaces should be backrolled to eliminate puddling and achieve a uniform appearance.
- Rough or textured surfaces coated using spray equipment should be backrolled 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

<u>CAUTIONS:</u> 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 insiliation 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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