



# PRODUCT DATA SHEET

PROD. #58

## SHIELD'S ALL 12% SILICONE MASONRY WATER REPELLENT



### PRODUCT DESCRIPTION

Richard's Shield's All 12% Silicone Masonry Water Repellent is a specially formulated clear water repellent designed to provide excellent waterproofing properties to both new and old exterior cementitious substrates. Easy to apply, it offers a long lasting breathable barrier that provides excellent resistant to water penetration, dirt, salts, acid rain, and alkali and efflorescence. It helps protect masonry surfaces from spalling, as well as helping reinforcing steel in masonry surfaces from corroding due to water intrusion.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> <li>Silicone Alkyd Formulation</li> <li>Excellent Waterproofing Properties</li> <li>Penetrates &amp; Seals</li> <li>Alkali Resistant</li> <li>Protects Against Spalling</li> <li>Resists Salt &amp; Acid Rain</li> <li>Easy To Apply</li> </ul>	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p><b>INTERIOR/EXTERIOR</b></p> <ul style="list-style-type: none"> <li>Masonry</li> <li>Stucco</li> <li>Concrete Block</li> <li>Brick</li> <li>Fluted Block</li> <li>Split-Faced Block</li> <li>Decorative Brick</li> <li>Barrel Roof Tiles</li> <li>Concrete Floors</li> <li>Concrete Decks</li> <li>Patios</li> <li>Loading Docks</li> </ul> <p><b>For Exterior Use Only!</b></p>	<p><b>Product Quality:</b> Premium Specialty</p> <p><b>Product Use:</b> Exterior</p> <p><b>Application:</b> Brush, Roller &amp; Spray Application</p> <p><b>Product System:</b> Solvent-Based</p> <p><b>Sheen:</b> Satin</p> <p><b>MPI Standards:</b> No</p> <p><b>VOC Compliance:</b> No</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, 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 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. Previously painted surfaces that exhibit serious signs of deterioration should be completely stripped to expose a more suitable surface for the application of paint coatings.

**NEW SURFACES:** **MASONRY & CONCRETE:** All new concrete and masonry surfaces should be allowed to properly dry/cure for approximately 30 – 45 days, 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**. The surface area to be painted should be porous. Dense, non-porous concrete surfaces must be properly acid etched with muriatic acid mixed with water, 3 parts water to 1 part acid. Apply acid solution to the surface using a plastic garden sprinkler can. Allow the solution to effervesce or boil on the surface until it stops, (approximately 10 – 15 minutes). Do not allow floor to dry prior to rinsing. Add acid solution to keep wet, if necessary. Neutralize floor with an alkaline solution of 1 cup of baking soda (or 8 oz. of ammonia) mixed with one gallon of water. This mixture will neutralize any unspent acid. Rinse the surface thoroughly with clean water. Check pH of rinse water with pH range paper. Rinse water should have a pH of 6 - 9. If pH is outside of this range, rinse again and re-check pH levels. Properly etched concrete should have a texture feeling similar to medium (180) grit sandpaper. Allow 24 - 48 hours to dry.

**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](http://www.epa.gov/lead).

### TECHNICAL DATA

- COLORS:** Clear
- TINTING:** Not Recommended
- VEHICLE TYPE:** Alkyd
- VISCOSITY:** 14-16 Sec. | #2 Zahn Cup
- GLOSS @ 60°:** Satin | 25 – 35 units
- FLASH POINT:** 107° F
- COATING VOC:** Not to Exceed 750 g/l – 6.30 lbs./gal
- SOLIDS BY VOLUME:** 9.23% ± 2%
- SOLIDS BY WEIGHT:** 11.97% ± 2%
- ESTIMATED COVERAGE:** 100 – 300 SFPG  
*(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)*
- RECOMMENDED MIL FILM:** *(Estimated @ 300 SFPG)*  
**Wet:** 5.3 mils      **Dry:** 0.5 mils
- DRY TIME:** *(@ 70° F & 50% Relative Humidity)*  
To Touch: 2 – 3 hrs. | Recoat: Overnight  
*(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)*
- DRIES BY:** Oxidation / Solvent Evaporation
- CLEAN UP:** Mineral Spirits
- THINNING:** Not Recommended
- WEIGHT/GAL:** 6.86 lbs.
- SHELF LIFE:** 2 - 3 years unopened.
- PACKAGING:**

<b>Quarts:</b> N/A	<b>Gallons:</b> 4 / Case
<b>2 Gallons:</b> N/A	<b>5 Gallons:</b> N/A

## 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 Masonry:**
  - Self-Priming
- **Previously Painted Surfaces:**
  - Self-Priming

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using quality nylon, polyester or combination nylon/polyester, or a quality natural china bristle brush.
- **Roller Application:** Apply using a ¾" - 1¼" nap synthetic, lamb's wool or mohair roller cover, depending on texture or surface porosity.
- **Spray Application:**
  - **Pump:** Gas or Electric Airless Sprayer
  - **Pressure:** Minimum 2000 PSI
  - **Tip:** 0.011 – 0.013 Reversible
  - **Hose:** ¼ inch (6.3 mm) - ⅝ 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 **Mineral Spirits**, 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. **Do Not Thin!**

## PRODUCT APPLICATION – General

Richard's Shield's All 12% Silicone Masonry Water Repellent may be easily applied with a quality brush, roller cover, airless spray equipment, or low-pressure pump-up sprayer as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- For best results, it is recommended to apply two finish coats.
- 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.
- **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.
- 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.

## PRECAUTIONARY & SAFETY INFORMATION

**CAUTIONS: COMBUSTIBLE!** Keep away from heat, sparks and open flames. **INSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Where ventilation is inadequate, use a suitable respirator. Turn off main gas valve until after coating has dried, then have pilot lights re-lighted by a responsible person. Avoid prolonged contact with skin and breathing of vapors and/or spray mists. When spraying this material, use an **OSHA** approved cartridge respirator. 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.

**NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents herein may be harmful or fatal.

**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.