



# PRODUCT DATA SHEET

PROD. #S-805 - ENERGY WHITE

## ROOF SHIELD

### VINYL ACRYLIC SATIN ROOF PAINT



#### PRODUCT DESCRIPTION

Roof Shield Vinyl Acrylic Satin Roof Paint is a quality vinyl acrylic roof paint coating specially designed for application to a variety of roofs. Its brilliant white finish helps to reflect UV rays, contributing to reducing inside temperatures, and helping to lowering cooling costs in the summer. Its special formulation provides a smooth satin finish that offers superior durability, is weather resistant, fade resistant, mildew and algae resistant, and applies easily. **Mildew Resistant** - This paint contains agents which inhibit the growth of mildew on the surface of this paint film.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE						
<ul style="list-style-type: none"> <li>Latex Acrylic Formula</li> <li>Smooth Satin Finish</li> <li>Superior Coverage</li> <li>Superior Durability</li> <li>Weather Resistant</li> <li>Resists UV Rays</li> <li>Resists Fading</li> <li>Algae &amp; Mildew Resistant</li> <li>Applies Easily</li> </ul>	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p><b>EXTERIOR</b></p> <table> <tr> <td>Gravel Roofs</td> <td>Barrel Tile Roofs</td> </tr> <tr> <td>Asphalt Roofs</td> <td>Cement Tile Roofs</td> </tr> <tr> <td>Metal Roofs</td> <td>Slate Roofs</td> </tr> </table> <p><b>For Exterior Use Only!</b> <b>NOT FOR USE ON ROOFS THAT ARE SUBJECT TO PONDING WATER!</b></p>	Gravel Roofs	Barrel Tile Roofs	Asphalt Roofs	Cement Tile Roofs	Metal Roofs	Slate Roofs	<p><b>Product Quality:</b> Economy</p> <p><b>Product Use:</b> Exterior Only</p> <p><b>Application:</b> Brush, Roller Cover &amp; Airless Spray</p> <p><b>Product System:</b> Water-Based</p> <p><b>Finish:</b> Satin</p>	<p><b>AIM</b> Yes</p> <p><b>OTC</b> Yes</p> <p><b>CARB</b> No</p> <p><b>SCAQMD</b> No</p> <p><b>MPI #</b> No</p> <p><b>LEED® 09CI</b> N/A</p> <p><b>LEED® 09NC</b> N/A</p> <p><b>LEED® 09CS</b> N/A</p> <p><b>LEED® H</b> N/A</p>
Gravel Roofs	Barrel Tile Roofs								
Asphalt Roofs	Cement Tile Roofs								
Metal Roofs	Slate Roofs								

#### SURFACE PREPARATION

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

- Remove any loose scale, chalked, cracked or peeling paint from previously painted surfaces by hand scraping, sanding wire brushing and/or power tool cleaning, such as pressure washing or sandblasting.
- Roof surfaces should be pressure washed 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.
- For metal surfaces, remove any loose rust, mill scale, rust deposits or white rust from metal surface by the same methods as described above, and according to SSPC-SP 2 – Hand Tool Cleaning specifications, or by power tool cleaning methods, such as electric sanders or grinders according to SSPC-SP 3 – Power Tool Cleaning specifications.
- Repair/replace any damaged and/or delaminated surface areas. Previously painted surfaces may need to be primed, depending on the overall condition of the existing coating.
- Sand all rough paint edges smooth to adjacent surface area. Sand all glossy surfaces to effectively dull existing finish.
- Prime and/or spot prime all bare or new surface areas with Manufacturer's properly specified primer/sealer compatible to the surface type and before application of finish coating.

**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.

**CAUTION: Roof Surfaces May Be Very Slippery! For Fall Protection, Refer To OSHA Standard #1926.501 Before Using This Coating.**

- 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).

#### PRODUCT ANALYSIS DATA

**PIGMENT: 22.09%**

**VEHICLE: 77.91%**

*MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.*

#### TECHNICAL DATA

- COLORS:** Energy White
- TINTING:** Universal Colorants
- VEHICLE TYPE:** Vinyl Acrylic
- VISCOSITY:** 100 KU ± 2
- GLOSS @ 60°:** Satin / 15 - 18 units
- FLASH POINT:** N/A
- VOC:** Not to Exceed 250 g/l – 2.10 lb/gal (Meets AIM & OTC Standards)
- SOLIDS:** By Volume: 25.11% ± 2%  
By Weight: 38.07% ± 2%
- COVERAGE:** 300 – 400 Sq. Ft. / Gal. (Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)
- MIL FILM:** Estimated @ 350 Sq. Ft. / Gal.  
**Wet:** 4.6 mils      **Dry:** 1.2 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)  
To Touch: 1 – 2 Hours  
Recoat: 4 – 6 Hours, or after overnight. (Dry times listed may vary according to relative humidity, temperature, film build, color and air movement.)
- CLEAN UP:** Warm Soapy Water
- THINNING:** Clean Water

## RECOMMENDED PRIMER COATINGS

Although formulated to be self-priming on properly prepared painted surfaces in good condition, the following Richard's products are recommended primer coatings for this finish coating material. However, recommended Richard's primer coatings are not limited to the products listed below;

- **Unpainted Cement, Slate & Masonry Roofs:**
  - 56, Signature Series Waterborne Epoxy Ester Bonding Liquid
  - 1414, Rich Flex Alkali Resistant Acrylic Masonry Primer
- **Painted Cement, Slate & Masonry Roofs:**
  - 56, Signature Series Waterborne Epoxy Ester Bonding Liquid
  - 1791, Rich Flex 100% Acrylic Pigmented Multi-Surface Conditioner
  - 1791-C, Rich Flex 100% Acrylic Clear Multi-Surface Conditioner
- **Unpainted Asphalt & Gravel Roofs:**
  - 56, Signature Series Waterborne Epoxy Ester Bonding Liquid
- **Painted Asphalt & Gravel Roofs:**
  - 56, Signature Series Waterborne Epoxy Ester Bonding Liquid
- **Unpainted Metal Roofs:**
  - 1018, Rust Shield Rust Inhibitive White Metal Primer
  - 1220, Excel 100% Acrylic DTM White Metal Primer
- **Paint Metal Roofs:**
  - 56, Signature Series Waterborne Epoxy Ester Bonding Liquid
  - 1791-C, Rich Flex 100% Acrylic Clear Multi-Surface Conditioner

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- **Roller Application:** Apply using a 3/8" - 3/4" 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 2000 PSI
  - **Tip:** 0.015 – 0.019 Reversible
  - **Hose:** 1/4 inch (6.3 mm) - 3/8 inch (10 mm)

## PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – N/A	Gallons – 4/case
2 Gallons – N/A	5 Gallons - Each
- **Weight per Gallon:** 10.16 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 1/2 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 09-14

## PRODUCT APPLICATION – General

Richard's Roof Shield Vinyl Acrylic Satin Roof Paint may be easily applied with a quality brush, roller cover, or airless spray equipment 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 (2) finish coats.
- To assure color uniformity always intermix multiple containers of custom tinted and stock colors. Apply a small test sample to verify color.
- During application, always paint to a natural break in the surface, such as a corner or edge.
- When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- When applying by roller cover, apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respraying or reworking.
- When applying by airless spray equipment use a unit with a minimum of 2000 psi of pressure, with a 0.015" – 0.019" fluid spray tip.
- During spray application, it is recommended to back-roll the surface area to ensure proper adhesion, and an even coat application.
- 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.
- 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.
- If coating becomes water damaged due to heavy dew fall or rain before coating is thoroughly dry, the surface must be cleaned as soon as possible with hot water.
- **SPECIAL NOTE:** Should The Roof Area Be Too Hot For Paint Application, It May Be Necessary To Lightly Mist The Hot Roof Surface With Cool Water, To Prevent The Applied Coating From Drying Excessively Fast. This Coating May Be Applied Over A Slightly Damp Surface, However, Avoid Over-Wetting The Surface Area Before Paint Application.

## PRODUCT LIMITATIONS

- Not for use on roofs subject to ponding water.
- 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!**