



PRODUCT DATA SHEET
PROD. #2340 SERIES
INDUSTRIAL COATINGS PRE-CATALYZED
WATERBORNE SATIN EPOXY



PRODUCT DESCRIPTION

Industrial Coatings Pre-Catalyzed Waterborne Satin Epoxy is a specially formulated pre-catalyzed single component interior epoxy coating that offers performance characteristic that are tantamount to traditional waterborne two-component epoxies, but without all the difficulties that two-component products exhibit. Its smooth satin finish offers excellent hardness and durability, as well as excellent resistance to abrasion. It is easy to apply, offers excellent coverage, adhesion, and provides excellent corrosion and chemical resistant properties. Its special formulation is low odor, VOC compliant, suitable for application in USDA inspected facilities, and excellent for application in hospitals, commercial kitchens, schools, processing plants, health care facilities, and any other area where a low odor high performance coating is specified or preferred.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES										
<ul style="list-style-type: none"> Waterborne Epoxy Formula Smooth Satin Finish Excellent Coverage Excellent Durability Abrasion Resistant Corrosion Resistant Product Versatility VOC Compliant Easy To Apply 	<p><i>Suitable for, but not limited to application on the following properly prepared surfaces;</i></p> <p>INTERIOR</p> <table> <tr> <td>Drywall</td> <td>Brick</td> </tr> <tr> <td>Plaster</td> <td>Iron & Steel</td> </tr> <tr> <td>Wood Trim & Doors</td> <td>Aluminum</td> </tr> <tr> <td>Masonry</td> <td>Galvanized Metal</td> </tr> <tr> <td>Concrete</td> <td>Painted Surfaces</td> </tr> </table> <p>For Professional Use Only!</p>	Drywall	Brick	Plaster	Iron & Steel	Wood Trim & Doors	Aluminum	Masonry	Galvanized Metal	Concrete	Painted Surfaces	<p>Product Quality: Industrial / Professional</p> <p>Product Use: Interior Only</p> <p>Application Methods: Brush, Roller & Airless Spray</p> <p>Product System: Water-Based</p> <p>Sheen: Satin</p> <p>VOC Compliance: AIM, CARB, LADCO & OTC</p>
Drywall	Brick											
Plaster	Iron & Steel											
Wood Trim & Doors	Aluminum											
Masonry	Galvanized Metal											
Concrete	Painted Surfaces											

SURFACE PREPARATION

General: The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew, mil scale, form release agents, curing compounds, loose and flaking paint, 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 drywall, wood and masonry surfaces by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as electric sanders or grinders, etc.
- For metal surfaces, remove any loose rust, mill scale, rust deposits or white rust from metal surface in accordance with 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, as set forth by the Steel Structures Painting Council.
- Previously painted surfaces, whereby the existing paint show signs of serious deterioration should be completely removed in accordance with SSPC-SP 6 – Commercial Blast Cleaning, or SSPC-SP 10 – Near White Blast Cleaning specifications.
- 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.
- Sand all rough paint edges, patched cracks, holes, joint compounds, and wood fillers/putty smooth to adjacent surface area. Sand all glossy surfaces effectively to dull existing finish.
- Prime or spot prime all bare and/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.

SPECIAL 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: 32.11%

VEHICLE: 67.89%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** White & Tint Bases
 2340 White 2341 Tint Base
 2342 Deep Base 2343-A Accent Base
- TINTING:** Universal Colorants
- VEHICLE TYPE:** Pre-Catalyzed Acrylic Epoxy
- VISCOSITY:** 105 - 110 KU
- GLOSS @ 60°:** 20 - 25 units
- FLASH POINT:** N/A
- VOC:** Not to Exceed 250 g/l – 2.10 lb/gal
 (Meets AIM, OTC & CARB Standards)
- SOLIDS:** By Volume: 35.42% ± 2%
 By Weight: 52.07% ± 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: 1.6 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
 To Touch: 1 Hour
 Recoat: 6 – 8 Hours
 Full Cure: 72 Hours
 (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 primer coatings are not limited to the products listed below;

- **New Gypsum Drywall / Plaster:**
 - 26, Holzout II 100% Acrylic Primer/Sealer Stain Killer
 - 7-11, PPS Latex Primer/Sealer Undercoater
 - 7-22, PPS Universal Alkyd Primer/Sealer Undercoater
- **New Wood:**
 - 26, Holzout II 100% Acrylic Primer/Sealer Stain Killer
 - 7-22, PPS Universal Alkyd Primer/Sealer Undercoater
- **New Masonry**
 - 56, Signature Series Waterborne Epoxy Ester Bonding Liquid
 - 1414, Rich Flex Alkali Resistant Acrylic Masonry Primer
- **New Non-Ferrous, Aluminum & Galvanized Metal:**
 - 1017, Rust Shield Zinc Chromate Metal Primer
 - 1215/1220, Rust Shield II 100% Acrylic DTM Gray/White Metal Primers
- **New Ferrous Metal:**
 - 1015, Rust Shield Red Oxide Metal Primer
 - 1018, Rust Shield Rust Inhibitive Metal Primer
 - 1120, Industrial Coatings Universal Primer
- **Previously Painted Surfaces:**
 - Self-Priming
 - 56, Signature Series Waterborne Epoxy Ester Bonding Liquid
 - 1791, Rich Flex 100% Acrylic Pigmented 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 1800 – 2700 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:** 11.08 lbs.

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 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 12-14

PRODUCT APPLICATION – General

Industrial Coatings Pre-Catalyzed Waterborne Satin Epoxy 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 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 2500 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.

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.
- Not for application to floors.

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!