



PRODUCT DATA SHEET

PROD. #1700

RUST SHIELD HIGH SOLIDS QD INDUSTRIAL QUICK DRY ALKYD GLOSS ENAMEL



PRODUCT DESCRIPTION

Richard's Rust Shield High Solids QD Industrial Quick Dry Alkyd Gloss Enamel is a high solids, high performance industrial grade finish designed for commercial and industrial application where fast dry and quick turnaround is a priority. This rust preventative coating is well suited for interior or exterior use and provides gloss and color retention that's superior to traditional quick dry enamels. This enamel is formulated with the professional user in mind and provides a rich gloss finish that is abrasion and impact resistant, resistant to salt water spray, and chemical cleanings. It offers excellent product versatility allowing for application to a variety of properly prepared interior and exterior metal substrates such as tanks, pipes, railings, doors and trim, appliances and other equipment.

PRODUCT FEATURES	PRODUCT USES		PERFORMANCE QUALITIES	
<ul style="list-style-type: none">• 15 Minute Quick Dry Formula• Rich Gloss Finish• High Solids• Excellent Coverage• Excellent Durability• Rust Preventative• Chemical Resistant• Abrasion Resistant• Product Versatility• Easy To Apply	<i>Suitable for, but not limited to the following properly prepared surfaces;</i>		Product Quality: Industrial	
	INTERIOR/EXTERIOR - METAL		Product Use: Interior & Exterior	
	<div><div><ul style="list-style-type: none">• Doors & Trim• Equipment• Cabinets• Furniture• Machinery• Galvanized Metal</div><div><ul style="list-style-type: none">• Shelving• Pipeline Identification• Structural Steel• Aluminum• Tanks & Drums• Ferrous Metal</div></div>		Application: Brush, Roller & Spray	
			Product System: Solvent-Based	
			Sheen: Gloss	
		MPI Standards: No		
		VOC Compliance: AIM, LADCO, OTC Phase I		

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 loose, scaling, cracked or peeling paint from previously painted surfaces in accordance with The Society for Protective Coatings specifications. 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.
NEW SURFACES:	<p>FERROUS METALS – IRON & STEEL: Remove all surface contaminants, oil and grease in accordance with SSPC-SP1. Remove loose rust and rust deposits in accordance with SSPC-SP 2 – Hand Tool Cleaning, or SSPC-SP 3 – Power Tool Cleaning specifications. For optimal performance, clean the surface by abrasive blasting to achieve SSPC-SP 6/NACE 3 – Commercial Blast Cleaning standards. Prime all bare metal within 8 hours before flash rusting occurs.</p> <p>GALVANIZED & Non-Ferrous Metal: It is recommended to allow surface to weather for a minimum of six (6) months then solvent clean per SSPC-SP 1. If weathering is not possible, solvent clean per SSPC-SP 1, and apply recommended primer.</p> <p>ALUMINUM: Remove oils, grease, dirt, oxide and any other surface contaminants as per SSPC-SP 1 specifications.</p>
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.

TECHNICAL DATA

- COLORS:** White, Tint Bases & 4 Stock Colors
1700 White 1702DB Deep Base
1703AB Accent Base
- TINTING:** 844 Industrial Colorants Only!
- VEHICLE TYPE:** Alkyd
- VISCOSITY:** 82 KU ± 2
- GLOSS @ 60°:** Gloss | 90 units ± 5
- FLASH POINT:** 90° F
- COATING VOC:** Not to Exceed 400 g/l – 3.34 lbs./gal
(Meets AIM, LADCO & OTC Phase I Standards)
- SOLIDS BY VOLUME:** 52.76% ± 2%
- SOLIDS BY WEIGHT:** 66.28% ± 2%
- ESTIMATED COVERAGE:** 300 – 400 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:** 2.4 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
Tack Free: 15 - 30 min. | Recoat: 1 - 2 hrs.
(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)
- DRIES BY:** Oxidation / Solvent Evaporation
- CLEAN UP:** Xylene
- THINNING:** Do Not Thin!
- WEIGHT/GAL:** 10.00 lbs.
- SHELF LIFE:** 1 - 2 years unopened.
- PACKAGING:**

Quarts:	N/A	Gallons:	4 / Case
2 Gallons:	N/A	5 Gallons:	Each

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;

- **Ferrous or Non-Ferrous:**
 - 1131, Industrial Coatings Gray Universal Primer
 - 1135, Industrial Coatings Red Oxide Universal Primer
 - 1120, Industrial Coatings White Universal Primer
 - 2215 / 2220, Industrial Epoxy Gray / White Primers
- **Galvanized or Zinc Coated Metal:**
 - 1215 / 1220 Rust Shield II Acrylic DTM Gray / White Metal Primers
 - 1120, Industrial Coatings White Universal Primer
 - 1131, Industrial Coatings Gray Universal Primer
 - 1135, Industrial Coatings Red Oxide Universal Primer
- **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:** 0.013 – 0.015 Reversible
 - **Hose:** ¼ inch (6.3 mm) - ¾ 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 **Xylene**, 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 Rust Shield High Solids QD Industrial Quick Dry Alkyd Gloss Enamel may be easily applied with a quality brush, roller, or 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.
- 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 respraying or reworking.
- **Spray Application:** When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.013 – 0.015 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: DANGER! FLAMABLE LIQUID AND VAPOR! VAPOR HARMFUL! CONTAINS XYLENE! HARMFUL OR FATAL IF SWALLOWED! Vapor harmful. May affect brain or nervous system causing dizziness, headache or nausea. May be harmful if absorbed through the skin. Do not breathe dust, vapors or spray mists. May affect brain or nervous system causing dizziness, headache or nausea. Causes nose, throat, eye and skin irritation. Keep away from heat, sparks, and open flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **USE WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness, or if air monitoring demonstrates vapor / mist levels are above applicable limits, wear an appropriate, properly fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Do not get in eyes, on skin or 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!** Refer to MSDS for additional health and safety information.

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 may be harmful or fatal.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin contact, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is continued, 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 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.