



PRODUCT DATA SHEET
PROD. #1600 SERIES
RUST SHIELD ALKYD QUICK DRY
INDUSTRIAL GLOSS ENAMEL



PRODUCT DESCRIPTION

Rust Shield Alkyd Quick Dry Industrial Gloss Enamel is a specially formulated 15 minute quick dry rust preventative industrial alkyd enamel, designed for use on metal substrates requiring quick drying properties. Its fast dry properties provide an excellent benefit to certain paint projects that require fast drying capabilities, such as painting equipment, metal doors or cabinets, thus minimizing down time. It is easy to apply, providing superior coverage and a durable gloss finish. It is chemical and abrasion resistant, resists salt air and is suitable for use light to moderate industrial, maintenance, and construction environments. It is excellent for use on smaller type substrates, such as doors and trim, due to its quick drying properties, and has very good product versatility.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE																														
<ul style="list-style-type: none"> 15 Minute Quick Dry Formula Rich Gloss Finish Excellent Coverage Excellent Durability Rust Preventative Chemical Resistant Abrasion Resistant Product Versatility Easy To Apply 	<p><i>Suitable for the following properly prepared surfaces;</i> INTERIOR / EXTERIOR - METAL</p> <table> <tr> <td>Doors & Trim</td> <td>Shelving</td> </tr> <tr> <td>Equipment</td> <td>Pipeline Identification</td> </tr> <tr> <td>Cabinets</td> <td>Structural Steel</td> </tr> <tr> <td>Furniture</td> <td>Aluminum</td> </tr> <tr> <td>Machinery</td> <td>Tanks & Drums</td> </tr> <tr> <td>Galvanized Metal</td> <td>Ferrous Metal</td> </tr> </table> <p>FOR USE ON METAL SUBSTRATES ONLY!</p>	Doors & Trim	Shelving	Equipment	Pipeline Identification	Cabinets	Structural Steel	Furniture	Aluminum	Machinery	Tanks & Drums	Galvanized Metal	Ferrous Metal	<p>Product Quality: Industrial Product Use: Interior / Exterior Application: Brush, Roller Cover, Airless Spray Product System: Solvent-Based Sheen: Gloss</p>	<table> <tr> <td>AIM</td> <td>Yes</td> </tr> <tr> <td>OTC</td> <td>Yes</td> </tr> <tr> <td>CARB</td> <td>No</td> </tr> <tr> <td>SCAQMD</td> <td>No</td> </tr> <tr> <td>MPI #</td> <td>No</td> </tr> <tr> <td>LEED® 09CI</td> <td>No</td> </tr> <tr> <td>LEED® 09NC</td> <td>No</td> </tr> <tr> <td>LEED® 09CS</td> <td>No</td> </tr> <tr> <td>LEED® H</td> <td>No</td> </tr> </table>	AIM	Yes	OTC	Yes	CARB	No	SCAQMD	No	MPI #	No	LEED® 09CI	No	LEED® 09NC	No	LEED® 09CS	No	LEED® H	No
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SURFACE PREPARATION

General: The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew and any other surface contaminants that may adversely affect the performance of this coating material as follows;

- Previously Painted Metal:** 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 effectively to dull existing finish.
- Bare Metal:** Surfaces should be solvent cleaned in accordance with SSPC-SP 1 specifications pertaining to surface preparation for the solvent cleaning of steel and metal surfaces for removing all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants from the surface.
- Remove any loose rust, mill scale, rust deposits, or white rust by hand scraping, sanding, or wire brush cleaning in accordance with SSPC-SP 2 specifications pertaining to hand tool cleaning, or SSPC-SP 3 specifications pertaining to power tool cleaning of loose, non-adherent material on metal surfaces as set forth by the Steel Structures Painting Council.
- Repair/replace any damaged and/or delaminated surface areas with the proper building materials.
- Prime and/or spot prime all bare or new metal 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.

- 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: 26.86%

VEHICLE: 73.14%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** White & Tint Bases
 1600 White 1601 Tint Base
 1602 Deep Base 1603-A Accent Base
- TINTING:** Industrial Colorants
- VEHICLE TYPE:** Alkyd
- VISCOSITY:** 79 KU ± 1
- GLOSS @ 60°:** 80 units ± 1
- FLASH POINT:** 50° F
- VOC:** Not to Exceed 400 g/l – 3.36 lb/gal
 (Meets AIM & OTC Standards)
- SOLIDS:** By Volume: 54.08% ± 2%
 By Weight: 64.74% ± 2%
- COVERAGE:** 300 – 400 SFPG
 (Depending on Application & Surface Porosity.)
- MIL FILM:** Estimated @ 350 Sq. Ft. / Gal.
 Wet: 4.6 mils Dry: 2.5 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
 To Touch: 15 – 20 minutes
 Recoat: 1 hour, depending on conditions.
- CLEAN UP:** Mineral Spirits
- THINNING:** DO NOT THIN!

RECOMMENDED PRIMER COATINGS

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;

- **Ferrous or Non-Ferrous:**
 - 1120, Industrial Coatings White Universal Primer
 - 1620, Rust Shield Q.D. Metal Primer White
 - 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
 - 1620, Rust Shield Q.D. Metal Primer White

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 smooth - medium 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 1500 – 2000 PSI
 - **Tip:** 0.013 – 0.015 Reversible
 - **Hose:** ¼ inch (6.3 mm) - ⅜ 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.

PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – N/A	Gallons – 4/case
2 Gallons – N/A	5 Gallons – Each; (Whiye, TB & DB)
- **Weight per Gallon:** 9.58 lbs.

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. However, if thinning is required, you may add **Mineral Spirits** for brush or roller application, and **VM&P Naphtha** for spray application.

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 from 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 07-14

PRODUCT APPLICATION – General

Rust Shield Alkyd Quick Dry Industrial Gloss Enamel 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.
- 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 0.013 – 0.015 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.

PRECAUTIONARY & SAFETY INFORMATION

CAUTIONS: DANGER! FLAMABLE LIQUID AND VAPOR! VAPOR HARMFUL! CONTAINS XYLENE & VM&P NAPHTHA! 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!