



PRODUCT TECHNICAL DATA INFORMATION

PRODUCT NO.: 1011

RUST SHIELD POLYURETHANE INDUSTRIAL ALUMINUM COATING

PRODUCT DESCRIPTION

Richard's Rust Shield Polyurethane Industrial Aluminum Coating has been specially formulated from select resins and quality aluminum pigments to provide maximum protection as well as a bright aluminum, weather resistant finish on substrates that have a specific need for application of an aluminum coating. Its special formulation allows for product versatility, allowing application to a variety of substrates. It is durable, weather resistant, resists cleaning with light industrial cleaners and is rust inhibitive. Its bright aluminum gloss finish also reflects the sun's ultra-violet rays, thus reducing heat. **Contains No Lead Pigments.**

FOR INTERIOR & EXTERIOR USE!

SUGGESTED PRODUCT USE

SUITABLE FOR APPLICATION TO THE FOLLOWING PROPERLY PREPARED SURFACES:

* METAL ROOFS * STEEL TANKS * WATER PIPES * CHAIN LINK FENCES * EQUIPMENT * MACHINERY * WOOD
* AIR CONDITIONING & HEATING DUCTS * ETC.

LIMITATIONS: Use proper primer before using on masonry, galvanized or zinc coated surfaces. Not for exposure to strong chemical environments. Not for immersion service.

PRODUCT FEATURES

* EASY TO APPLY * PRODUCT VERSATILITY * RUST INHIBITIVE * SUPERIOR DURABILITY * WEATHER RESISTANT
* BRIGHT ALUMINUM FINISH * CONTAINS NO LEAD PIGMENTS

PRODUCT SPECIFICATION DATA

* COLORS:	Aluminum
* FINISH:	Gloss
* FLASH POINT:	107° F.
* METHOD USED:	T.C.C.
* MPI #1	Approved
* COATING V.O.C.:	Not To Exceed 4.17 LB/GAL. - (500 GRAMS/LTR.)
* SOLIDS:	By Volume: 44.34% ± 2% By Weight: 51.01% ± 2%
* RECOMMENDED MIL FILM:	Wet: 4.0 mils - (Estimated at 400 Square Feet Per Gallon). Dry: 1.8 mils - (Estimated at 400 Square Feet Per Gallon).
* ESTIMATED COVERAGE:	Covers approximately 300 - 400 square feet per gallon, depending on the type of application and the porosity of the surface to be painted.
* CLEAN UP:	Mineral Spirits
* THINNING:	Do Not Thin
* ESTIMATED DRY TIME:	Dries to the touch in approximately 4 - 6 hours, for recoat after overnight dry, depending on conditions.

PRODUCT ANALYSIS DATA

PIGMENT: 10.87%

VEHICLE: 89.13%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON FORMAL REQUEST.

SURFACE PREPARATION

GENERAL: The entire surface area to be painted should be clean, dry, sound, and free from all dirt, grease, oils, waxes, mildew, mil scale, rust deposits and any other surface contaminants. Surface areas affected by mildew should be washed with a commercial mildew removal product carefully following manufacturer's application and safety directions. Remove any loose scale, chalked, cracked or peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing and/or power tool cleaning.

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 scale and loose 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*. Rust Shield Polyurethane Industrial Aluminum Coating prevents rust by encapsulating properly prepared metal surfaces. A minimum of two coats is required when applied to bare surfaces.

PRIMERS: The following Richard's products represent a partial list of recommended primers for this finish coating.

Galvanized Metal: #1215/1220 DTM acrylic primers, #1017 zinc chromate primer, #1120 universal primer, #2215/2220 solvent epoxy primers.

Masonry: #1791/1791-C acrylic surface conditioners, #151/151-A latex block fillers, #1414 alkali resistant masonry primer.

Ferrous & Non-Ferrous Metal: No primer required. **Drywall & Plaster:** No primer required. **Wood:** No primer required.

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 a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD, or log on to www.epa.gov/lead.

PRODUCT APPLICATION

Richard's Rust Shield Polyurethane Industrial Aluminum Coating may be easily applied with a quality brush, roller, or airless spray equipment. If applying by airless spray, use a 0.013 - 0.017 orifice spray tip. For best results, it is recommended to apply two (2) finish coat applications. Apply when surface and ambient temperatures are above 55° F. and below 90° F. Avoid paint application outside when weather conditions are threatening, or late in the afternoon when there is a threat of moisture condensing on wet paint.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. Follow local disposal requirements to dispose or recycle unused product

PRECAUTIONS

CAUTION: COMBUSTIBLE! KEEP OUT OF REACH OF CHILDREN! 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 relighted 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, **SEEK IMMEDIATE MEDICAL ATTENTION!** If affected by inhalation, move immediately to fresh air. If swallowed, **DO NOT INDUCE VOMITING, SEEK IMMEDIATE MEDICAL ATTENTION!**

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

MIXING INSTRUCTIONS & PACKAGING

SPECIAL NOTE: DO NOT SHAKE THIS PRODUCT IN A MECHANICAL PAINT SHAKER, AS IT MAY CAUSE GASSING OF THE PRODUCT AND BUILD UP EXCESSIVE PRESSURE IN THE CONTAINER!

Stir thoroughly and apply as it comes from the container. **No Thinning Is Necessary!**

* **Pint Cans:** 12 Per Case

* **Quart Cans:** 6 Per Case

* **Gallon Cans:** 4 Per Case

* **Two Gallon Cans:** N/A

* **Five Gallon Cans:** N/A

* **Weight Per Gallon:** 8.32 lbs.

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