



PRODUCT TECHNICAL DATA INFORMATION

PRODUCT NO.: 1020

RUST SHIELD POLYURETHANE INDUSTRIAL
FLAT BLACK ENAMEL

PRODUCT DESCRIPTION

Richard's Rust Shield Polyurethane Flat Black Enamel is a premium rust preventative coating. Specially formulated with the finest polyurethane resins, it provides excellent durability and performance. Easy to apply, it offers superior coverage, a finish that is not only durable, but also is resistant to chemical cleaning. **USDA Approved!** Approved by the United States Department of Agriculture for application to surfaces where there is a possibility of "*Incidental Food Contact.*" OSHA approved safety colors are available for identification purposes. **FOR INTERIOR & EXTERIOR USES!**

SUGGESTED PRODUCT USE

SUITABLE FOR APPLICATION TO THE FOLLOWING PROPERLY PREPARED METAL SURFACES:

TRACTORS * STORAGE TANKS * TOOLS * DOORS * FURNITURE * APPLIANCES
PIPING * MACHINERY * FARM EQUIPMENT * FERROUS METALS * NON-FERROUS METAL

LIMITATIONS

FOR USE ON METAL SUBSTRATES ONLY * NOT FOR EXPOSURE TO STRONG CHEMICAL ENVIRONMENTS
NOT FOR IMMERSION SERVICE * USE PROPER PRIMER BEFORE USING ON GALVANIZED OR ZINC COATED SURFACES

PRODUCT FEATURES

RUST INHIBITIVE * RESISTS CHEMICAL CLEANING * DURABLE GLOSS FINISH
POLYURETHANE FORMULA * CONTAINS NO LEAD PIGMENTS * DEPT. OF AGRICULTURE APPROVED

PRODUCT SPECIFICATION DATA

* COLORS:	Black
* FINISH:	Flat
* FLASH POINT:	107° F.
* METHOD USED:	T.C.C.
* COATING V.O.C.:	Not To Exceed 3.33 LB/GAL. - (400 GRAMS/LTR.)
* SOLIDS:	By Volume: 40.53% ± 2% By Weight: 57.95% ± 2%
* RECOMMENDED MIL FILM:	Wet: 4.6 mils - (Estimated at 350 Square Feet Per Gallon). Dry: 1.8 mils - (Estimated at 350 Square Feet Per Gallon).
* ESTIMATED COVERAGE:	Covers approximately 300 - 400 square feet per gallon, depending on the type of application and porosity of the surface to be painted.
* CLEAN UP:	Mineral Sprits
* THINNING:	Do Not Thin
* ESTIMATED DRY TIME:	Dries to the touch in approximately 2 - 4 hours, for handling in 6 - 8 hours, recoat after overnight dry, depending on conditions.

PRODUCT ANALYSIS DATA

PIGMENT: 42.54%

VEHICLE: 57.46%

MORE DETAILED PRODUCT ANALYSIS 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.

PRIMERS: Richard's Rust Shield Polyurethane Flat Black Enamel prevents rust by encapsulating properly prepared metal surfaces. A minimum of two coats is required when applied to bare surfaces. Using a primer for the first coat will provide greater rust prevention.

Ferrous or Non-Ferrous Metal:

- #1015 red oxide or #1018 white alkyd primers
- #1120 white universal primer
- #2215 gray or #2220 white epoxy primers

Galvanized or Zinc Coated Metal:

- #1215 gray or #1220 white acrylic primers
- #1120 white universal primer
- #2215 gray or #2220 white epoxy primers

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 Flat Black Enamel may be easily applied with a quality brush, roller, or airless spray equipment. If applying by airless spray, use a 0.013 - 0.015 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.

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!** 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. Rags or material soaked with this product may spontaneously ignite if disposed of improperly. Immerse rags and waste in a sealed water filled metal container. Dry, empty containers may be recycled in a can recycling program. Follow local disposal requirements to dispose or recycle unused product.

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

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

* **Pint Cans:** N/A

* **Quart Cans:** 6 Per Case

* **Gallon Cans:** 4 Per Case

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

* **Five Gallon Cans:** Each

* **Weight Per Gallon:** 10.14 lbs.

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