



PYTHON EPOXY METAL PRIMERS

PRODUCT FEATURES

- High Performance
- Rust Inhibiting
- Corrosion Resistant
- Moisture Resistant
- Chemical Resistant
- Excellent Coverage
- Product Versatility

Suitable for, but not limited to the following properly prepared surfaces;

INTERIOR/EXTERIOR

Structural Steel	Machinery
Iron	Pipes/Railings
Galvanized Metal	Tanks
Aluminum	New/Bare Metal

Great For Interior & Exterior Use!

PERFORMANCE QUALITIES

Quality:	Professional
Use:	Interior/Exterior
Application:	Brush, Roll, Spray
System:	Solvent-Based
Sheen:	Flat/Low Sheen
MPI Standard:	No
VOC Compliance:	EPA AIM

PRODUCT DESCRIPTION

Richard's Python Epoxy Metal Primer is a high performance, multi-purpose, marine grade two-component industrial primer for interior and exterior use on steel, aluminum, galvanized steel in corrosive environments. This heavy-duty rust inhibiting primer offers outstanding corrosion resistance, adhesion and moisture resistance. Recommended for use under two-part epoxies and urethanes for long term protection. For professional use only.

TECHNICAL DATA

COLORS: 2215 – Gray | 2220 – White
TINITING: Not Recommended

VEHICLE: Polyamide Epoxy

VISCOSITY: 75 KU \pm 2

GLOSS @ 60°: Flat | 0-5 units

FLASH POINT: 93° F | 33.9° C

VOC: Not to exceed 450 g/l | (3.78lbs/gal)

SOLIDS: **2215** - Volume: 47.44% \pm 2% | Weight: 71.60% \pm 2%

2220 - Volume: 49.20% \pm 2% | Weight: 68.51% \pm 2%

COVERAGE: 300 - 400 SFPG (*Coverage varies by substrate and condition.*)

MIL FILM: Wet: 4.6 mils | Dry: 2.3 mils (*Estimated @350 SFPG*)

DRY TIME: Touch: 2 hrs. | Recoat: 4-6 hrs. min. | 36 hrs. max
(Actual dry / cure time may vary according to relative humidity, air and surface temperature.)

DRIES BY: Chemical Crosslinking / Solvent Evaporation

THINNING: 2200-TH / Xylene

CLEAN UP: 2200-TH / Xylene

SHELF LIFE: 2 - 3 year unopened

WEIGHT: **2215** - 13.66 lbs. | **2220** - 11.91 lbs.

PACKAGING: 2-Gallon Kits

SURFACE PREPARATION

- **GENERAL:** All surfaces must be clean and free of oil, grease, dirt, mildew, loose rust, mill scale, form release agents, deteriorated and poorly adhered coatings and any other surface contaminants. Solvent clean as per SSPC-SP 1 to remove contaminants, petroleum-based oils, grease, vegetable and animal fats.
- **PAINTED SURFACES:** If spot priming and overlapping previously painted surfaces, apply of a test patch to ensure no lifting or wrinkling occurs. Sand smooth all rough paint edges to the adjacent surface area, and sand glossy surfaces to effectively dull and profile existing coatings.
- **NEW OR BARE 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.
- **NEW OR BARE GALVANIZED METAL & ALUMINUM:** Exterior galvanized and aluminum surfaces that have weathered for at least 12 months should be cleaned by pressure washing prior to application. If coating new unweathered aluminum or galvanized steel, particularly chromate treated or passivated metal surfaces, apply a spot test and check adhesion.

PRODUCT APPLICATION

Richard's Python Epoxy Metal Primers may be easily applied with a quality brush, roller, or spray equipment as follows;

NOTE: This is a two (2) component material that requires equal amounts, by volume, Part A & Part B (2215-B). Do not mix partial kits.

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- Always paint to a natural break in the surface, such as a corner or edge.
- **Brush Applications:** When applying by brush, use a quality natural bristle brush, 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 to medium nap cover with a phenolic core, depending on surface porosity.
- **Spray Application:** When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.017 – 0.019 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.
- CAUTION: Do not allow mixed material to remain in spray equipment beyond its expected pot life.

MIXING INSTRUCTIONS

Richard's Python Epoxy Metal Primers are a two-component material that requires equal amounts (by volume) of Part A and Part B (2215-B). The mix ratio is 1:1. Mix each component separately before mixing Parts A and B together. Mix Part A & Part B together in a container large enough to allow mechanical mixing. Mix using a Jiffy Mixer at low speed for 3 to 5 minutes. Scrape the sides of the container occasionally while mixing to ensure uniformity. Avoid mixing too fast. Do not whip air into the product. **Neither Component Will Work Unless Mixed With The Other!**

- **INDUCTION:** Allow mixed material to sit for 30 minutes prior to use.
- **POT LIFE:** Useable pot life at 77° F | 25° C is 6 - 8 hrs. (*Higher temperatures will shorten pot life.*)

APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality natural bristle brush.
- **Roller Application:** Apply using a ¼" - ½" nap roller cover with a phenolic core, depending on the texture and surface porosity.
- **Spray Application:**
 - **Pump:** Gas or Electric Airless Sprayer
 - **Pressure:** Minimum 2000 PSI
 - **Tip:** 0.017 – 0.019 Reversible
 - **Hose:** ¼ inch (6.3 mm) - ¾ inch (10 mm)

RECOMMENDED FINISH COATINGS

The following Richard's products are recommended finish coatings for this primer coating material, and are not limited to the products listed below;

- **SATIN FINISHES**
 - SR-2940, VIPER Aliphatic Acrylic Urethane Satin White
- **SEMI-GLOSS FINISHES**
 - 2900, PYTHON Epoxy Mastick High Solids Coating
- **GLOSS FINISHES**
 - 2200, PYTHON Polyamide Epoxy Gloss Coating
 - 2400, VIPER Aliphatic Acrylic Polyurethane Enamel

PRODUCT LIMITATIONS

Not for use in areas subject to intense heat.

CLEAN UP & THINNING

Clean Up: Clean up any minor spills and spatters immediately with Richard's 2200-TH Epoxy Thinner or 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. However, if thinning is required, you may add Richard's 2200-TH Epoxy Thinner or Xylene. Do not exceed 5% thinning.

PRECAUTIONARY & SAFETY INFORMATION

KEEP OUT OF REACH OF CHILDREN!

CAUTIONS: DANGER! FLAMMABLE LIQUID AND VAPOR! CONTAINS XYLENE, NAPHTHA & GLYCOL ETHERS! VAPOR HARMFUL! HARMFUL OR FATAL IF SWALLOWED! Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, throat, eye and skin irritation. May be harmful if absorbed through the skin. Keep away from heat, sparks and 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 ONLY WITH ADEQUATE VENTILATION!** Do not breathe dust, vapors or spray mists. 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. 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.

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 herein may be harmful or fatal.

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.

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

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