



PYTHON POLYAMIDE EPOXY COATING



PRODUCT FEATURES

- High Performance
- Excellent Coverage
- Excellent Durability
- Corrosion Resistant
- Rust Inhibitive
- USDA Approved
- Product Versatility

PRODUCT USES

Suitable for application on, but not limited to these properly prepared substrates;

INTERIOR/EXTERIOR

- | | |
|---------------------|----------------------|
| • Structural Steel | • Concrete & Masonry |
| • Iron | • Floors |
| • Galvanized Metals | • Containment Walls |
| • Drywall & Plaster | • Machinery |
| • Wood | • Fiberglass |
| • Tanks | • Ceramic Tiles |

GREAT FOR INTERIOR & EXTERIOR USE!

PERFORMANCE QUALITIES

Quality:	Professional
Use:	Interior / Exterior
Application:	Brush, Roller, Spray
System:	Solvent-Based
Sheen:	High Gloss
MPI Standard:	No
VOC Compliance:	AIM

PRODUCT DESCRIPTION

Richard's Python Polyamide Epoxy Coating is a high performance, multi-purpose, marine grade two-component industrial coating for interior and exterior use on steel, aluminum, galvanized steel and concrete in industrial and commercial environments. This heavy-duty coating offers outstanding toughness and durability. Recommended for use as a floor finish in heavy traffic and chemical spill areas. Excellent solvent and chemical resistance - resists splash and spillage of solvents, certain acids, alkalis, salts, fresh and salt water, oils, greases, and detergents.

TECHNICAL DATA

COLORS:	White, Tint Bases, 1 Stock Color & Clear
TINTING:	844 Industrial Colorant
VEHICLE:	Polyamide Epoxy
VISCOSITY:	80 KU's $\pm$ 2
GLOSS @ 60°:	High Gloss 90 units +
FLASH POINT:	80° F
VOC:	Not to exceed 450 g/l (3.78lbs/gal)
SOLIDS:	Volume : 53.22% $\pm$ 2% Weight: 66.74% $\pm$ 2%
COVERAGE:	300 – 400 SFPG (varies by substrate & application conditions).

MIL FILM:	Wet: 4.6 mils Dry: 2.4 mils (Estimated @ 350 SFPG) To 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.)
DRY TIME:	
DRIES BY:	Chemical Crosslinking / Solvent Evaporation
THINNING:	2200-TH Epoxy Thinner / Xylene (Do not exceed 5% thinning.)
CLEAN UP:	2200-TH Epoxy Thinner / Xylene
SHELF LIFE:	2 – 3 year unopened
WEIGHT:	10.33 lbs.
PACKAGING:	2-Qt. Kits: 3/case 2-Gal. Kits: 2/case

SURFACE PREPARATION

- **GENERAL:** All surfaces must be clean and free of oil, grease, dirt, mildew, loose rust, mill scale, form release agents, curing compounds, deteriorated and poorly adhered coatings, efflorescence and any other surface contaminants. Use Richard's 248 Shield's All Oil & Grease Remover to remove contaminants, petroleum-based oils, grease, vegetable and animal fats.
- **SURFACE REPAIRS:** Repair/replace any damaged and/or delaminated surface areas with the proper recommended patching and/or building materials. Allow all patching materials to dry thoroughly before application of paint coatings.
- **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.
- **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.
- **GALVANIZED STEEL & 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.
- **NEW MASONRY & CONCRETE:** All new masonry surfaces must be allowed to dry/cure a minimum of 30 days before coating. Remove curing compounds, concrete hardeners and poorly adhered coatings by chemical or mechanical methods. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a sound, uniform substrate suitable for the application of protective coating systems. The surface area to be painted should be porous. Where acid etching is to be used for surface preparation, mix muriatic acid with water, 3 parts water to 1 part acid. Apply acid solution to the surface using a plastic garden sprinkler can. Allow the solution to effervesce or boil on the surface until it stops, (approximately 10 – 15 minutes). Do not allow floor to dry prior to rinsing. Add acid solution to keep wet, if necessary. Neutralize floor with an alkaline solution of 1 cup of baking soda (or 8 oz. of ammonia) mixed with one gallon of water. This mixture will neutralize any unspent acid. Rinse the surface thoroughly with clean water. Check pH of rinse water with pH range paper. Rinse water should have a pH of 6 - 9. If pH is outside of this range, rinse again and re-check pH. Properly etched concrete should have a texture feeling similar to medium (180) grit sandpaper.

PRODUCT APPLICATION

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

NOTE: This is a two-component material that requires both Part A and Part B. Do not mix partial kits – (see *mixing instructions below*).

- 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.
- For best results, it is recommended to apply two (2) finish coats.
- **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 ¼ - ½ inch nap cover, 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 0.015 – 0.017 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 leave mixed material in spray equipment beyond the expected pot life.

NOTE: All epoxies will chalk & discolor on exterior exposures. However, this is not detrimental to the anti-corrosive properties of this material. Where gloss and color retention is important overcoat with Richard's 2400 Acrylic Urethane Gloss.

MIXING INSTRUCTIONS

Richard's Python Polyamide Epoxy Coating This is a two-component material that requires equal amounts (by volume) of Part A and Part B. The mix ratio is 1:1. Mix each component separately before mixing Parts A and B together. Mix Part A and 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. **NOTE: Only Mix What You Intend To Use. 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 is 6 - 8 hours. (*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 synthetic or lamb's wool roller cover, depending on the texture and surface porosity.
- **Spray Application:**
 - **Pump:** Gas or Electric Airless Sprayer
 - **Pressure:** Minimum 2000 PSI
 - **Tip:** 0.015 – 0.017 Reversible
 - **Hose:** ¼ inch (6.3 mm) - ¾ inch (10 mm)

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;

- **GYPSON DRYWALL/PLASTER**
 - Self-Priming
- **WOOD & FIBERGLASS**
 - Self-Priming
- **MASONRY/CONCRETE**
 - Self-Priming
 - 2800, Python Pre-Prime Epoxy
 - 2900, Python Epoxy Mastic
- **FERROUS METAL**
 - 1120, Industrial Universal Metal Primer
 - 2215/2220, Python Epoxy Metal Gray/White Primers
 - 2800, Python Pre-Prime Epoxy
 - 2900, Python Epoxy Mastic
- **GALVANIZED METAL & ALUMINUM**
 - Self-Priming
 - 2215/2220, Python Epoxy Metal Gray/White Primers
 - 2900, Python Epoxy Mastic

PRODUCT LIMITATIONS

Not for use in areas subject to intense heat.

Use of this material on most exterior substrates will result in gloss reduction, chalking, and a tendency to yellow within 6 to 8 months of product application, depending on exposure.

CLEAN UP & THINNING

Clean Up: Clean up any minor spills and spatters immediately with **Richard's 2200TH Industrial 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. If required, use **Richard's 2200TH Epoxy Thinner or Xylene**. Do not exceed 5% thinning.

NOTE: Traffic bearing surfaces with a glossy finish may become slippery. Incorporate a non-skid additive, such as **Richard's SG-60 Skid Guard Non-Skid Additive**, where required.

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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