



## PYTHON WATERBORNE AMINE ADDUCT EPOXY

**PRODUCT FEATURES**

- Waterborne Epoxy Form.
- Excellent Durability
- Chemical Resistant
- Abrasion Resistant
- Excellent Coverage
- Product Versatility
- Easy To Apply

**PRODUCT USES**

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

**INTERIOR/EXTERIOR**

- |                    |                    |
|--------------------|--------------------|
| • Drywall/Plaster  | • Structural Steel |
| • Wood/Fiberglass  | • Iron/Tanks       |
| • Masonry/Concrete | • Aluminum         |
| • CMU              | • Galvanized Metal |
| • Floors           | • Pipes & Railings |

**GREAT FOR BOTH INTERIOR & EXTERIOR USE!**

**PERFORMANCE QUALITIES**

<b>Quality:</b>	Professional
<b>Use:</b>	Interior / Exterior
<b>Application:</b>	Brush, Roller, Spray
<b>System:</b>	Water-Based
<b>Sheen:</b>	High Gloss
<b>MPI Standard:</b>	No
<b>VOC Standards:</b>	AIM, LADCO, OTC Phase I

**PRODUCT DESCRIPTION**

Richard's Python WB Amine Adduct Epoxy is a high performance, multi-purpose, industrial grade two-component coating for interior and exterior use on steel, aluminum, galvanized steel and concrete in industrial and commercial environments. This heavy-duty waterborne coating offers outstanding toughness and durability comparable to solvent based epoxy. 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**

<b>COLORS:</b>	White, Tint Bases & Clear Finish
<b>TINTING:</b>	Universal Colorants
<b>VEHICLE:</b>	Waterborne Amine Adduct
<b>VISCOSITY:</b>	70 KU's ± 3
<b>GLOSS @ 60°:</b>	High Gloss   90 units +
<b>FLASH POINT:</b>	N/A
<b>VOC:</b>	Not to exceed 340 g/l   (2.86lbs/gal)
<b>SOLIDS:</b>	<b>By Volume:</b> 41.94% ± 2%   <b>By Weight:</b> 53.79% ± 2%
<b>EST. COVERAGE:</b>	250 – 350 SFPG (varies by substrate conditions).

<b>MIL FILM:</b>	<b>Wet:</b> 5.3 mils   <b>Dry:</b> 2.20 mils (Estimated @ 300 SFPG)
<b>EST. DRY TIME:</b>	<b>Touch:</b> 6 hrs.   <b>Recoat:</b> 24 hrs./min.   72 hrs./max <i>(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)</i>
<b>DRIES BY:</b>	Solvent Evaporation/Chemical Crosslinking
<b>THINNING:</b>	Clean Water
<b>CLEAN UP:</b>	Warm Soapy Water
<b>SHELF LIFE:</b>	2 – 3 years unopened
<b>WEIGHT/GAL.:</b>	10.43 lbs.
<b>PACKAGING:</b>	Gal.: 3:1 Kit

**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.
- **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. **FLOORS:** 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 WB Amine Adduct Epoxy 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 nylon, polyester, or combination nylon/polyester 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 that 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 WB Amine Adduct Epoxy is formulated as a 3:1 ratio mix, (1 partially filled gallon of Part A and a full quart of Part B). Thoroughly mix part A and part B before combining. Pour the total contents of Part B into the Part A container. Be certain to incorporate all of Part B into Part A as this effects the color and hiding. Mixing shall be done using a Jiffy power mixer at low speed for approximately 3 – 5 minutes.

**(NOTE: Insufficient mixing may be detrimental to coating cure and performance.)** During mixing, occasionally scrape the sides of the container to endure uniformity. Avoid mixing too fast so to whip air into the product. Mixed material has a pot life after combining and should be applied during this time period. When tinting, use 888 Universal Colorant. **Tint part A only. 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 1 - 2 hours. (*Higher temperatures will shorten pot life.*)

## APPLICATION EQUIPMENT

**Brush Application:** Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.

**Roller Application:** Apply using a ¼" - ½" nap 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) - ⅜ inch (10 mm)

## RECOMMENDED FINISH COATINGS

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

- **PREVIOUSLY PAINTED SURFACES**
  - Self-Priming
- **GYPSUM DRYWALL/PLASTER**
  - 26, HOLZOUT 100% Acrylic Primer/Sealer Stain Killer
- **WOOD**
  - 26, HOLZOUT 100% Acrylic Primer/Sealer Stain Killer
- **MASONRY/CONCRETE**
  - Self-Priming
  - 151/151-A, Acrylic Latex Masonry Block Fillers
  - 1414, Rich Flex 100% Acrylic Alkali Resistant Masonry Primer
- **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**
  - 1215/1220, Excel 100% Acrylic Gray/White DTM Primers
  - 1230, Excel Waterborne Bonding Primer
  - 2215/2220, Python Epoxy Metal Gray/White Primers
- **FIBERGLASS**
  - Self-Priming

## PRODUCT LIMITATIONS

Not for use on below grade substrates.

All epoxies will chalk and discolor on exterior exposures.

Not for use in areas subject to intense heat.

## CLEAN UP & THINNING

**Clean Up:** Clean up any minor spills and spatters immediately with warm soapy water, as well as all painting tools and airless equipment. More serious 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 clean water up to ½ pint per gallon.

## PRECAUTIONARY & SAFETY INFORMATION

### KEEP OUT OF REACH OF CHILDREN!

**CAUTIONS:** Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. **USE WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and 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!**

**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.

**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](http://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

Seller's liability for any reason is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. **THIS WARRANTY EXCLUDES (1) LABOR AND COSTS ASSOCIATED WITH LABOR FOR THE APPLICATION OR REMOVAL OF ANY PRODUCT, AND (2) ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OR RESULTING FOR ANY REASON UNDER THE SALE, HANDLING, OR USE OF GOODS SOLD.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state. This Limited Warranty may not be transferred or assigned.

REV 02-19