

## VIPER ALIPHATIC ACRYLIC URETHANE ENAMEL

## PRODUCT FEATURES

- High Performance Quality
- Excellent Coverage
- Excellent Durability
- Chemical Resistant
- Corrosion Resistant
- UV Blocking
- Fade Resistant
- Impact Resistant

## PRODUCT USES

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

## INTERIOR/EXTERIOR

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

Great For Interior & Exterior Use!

## PERFORMANCE QUALITIES

<b>Quality:</b>	Industrial/Professional
<b>Use:</b>	Interior & Exterior
<b>Application:</b>	Brush, Roller & Spray
<b>System:</b>	Solvent-Base
<b>Sheen:</b>	Satin
<b>MPI Standard:</b>	No
<b>VOC Compliance:</b>	AIM

## PRODUCT DESCRIPTION

Richard's Viper Acrylic Urethane Satin offers superior color and gloss retention. It is a high performance, two-component industrial coating ideal for use in exterior corrosion resistant systems on steel, aluminum, galvanized steel and concrete. This heavy-duty coating offers excellent mar and abrasion resistance. Commonly used as a topcoat in heavy duty floor coating systems 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	<b>MIL FILM:</b>	Wet: 4.6 mils   Dry: 2.1 mils – (Est. @ 350 SFPG)
<b>TINING:</b>	844 Industrial Colorant	<b>DRY TIME:</b>	To Touch: 30 min.   Recoat: 2 - 4 hrs. min.   72 hrs. max (Actual dry / cure time may vary according to relative humidity, air and surface temperature.)
<b>VEHICLE:</b>	Acrylic/Aliphatic Urethane	<b>DRIES BY:</b>	Chemical Crosslinking / Solvent Evaporation
<b>VISCOSITY:</b>	73 KU's ± 2	<b>THINNING:</b>	#2400-TH Brushing Thinner / #2420-TH Spraying Thinner
<b>GLOSS @ 60°:</b>	Satin   20 units ± 2	<b>CLEAN UP:</b>	#2400-TH Brushing Thinner
<b>FLASH POINT:</b>	40° F	<b>SHELF LIFE:</b>	1 - 2 year unopened
<b>VOC:</b>	Not to exceed 500 g/l   (4.17 lbs/gal)	<b>WEIGHT:</b>	10.58 lbs.
<b>SOLIDS:</b>	Volume : 45.20% ± 2%   Weight: 60.35% ± 2%	<b>PACKAGING:</b>	Qts.: N/A   Gal.: 4/cs.   5 Gal.: N/A
<b>COVERAGE:</b>	300 - 400 SFPG   (Varies by substrate & application conditions.)		

## 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.
- **PAINTED SURFACES:** 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 SURFACES: STEEL & FERROUS METALS:** Hand tool clean (SSPC-SP 2) and/or power tool clean (SSPC-SP 3) to remove all loose rust, loose mill scale, loose paint, and other loose detrimental foreign matter. If abrasive blasting can be performed, blast to SSPC-SP 6 / NACE No. 3 requirements or better.
- **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.
- **DRYWALL:** Insure that the surface is dust & chalk free, and primed with recommended primer.
- **WOOD:** All new wood surfaces must be clean, dry and sound, and should be properly primed and painted before installation or immediately after. Do not allow exterior wood to weather. Weathered wood surfaces should be sanded to expose fresh wood surface before coating. Remove any grade stamps or pencil marks from new wood by lightly sanding. Wood moisture content should be below 15% and wood surfaces that have a mill glaze should be sanded to allow for proper 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. The surface area to be painted should be porous. Smooth, slick, glazed, poured or pre-cast concrete should be acid etched, abrasive or shot blasted providing a finish similar to that of 120 grit sandpaper.

## PRODUCT APPLICATION

Richard's Viper Acrylic Urethane Satin may be easily applied with a quality brush, roller, or spray equipment as follows;

- Mix Parts A & B components as stated in the "Mixing Instructions" section below.
- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed. For best results, it is recommended to apply two (2) finish coats.
- To assure color uniformity always intermix multiple containers of custom tinted and stock colors. Apply a small test sample to verify color. 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 roller with a phenolic core, depending on surface texture and porosity. Apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking.
- **Airless 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.
- **Electrostatic Spray Application:** This coating is suitable for use with electrostatic handguns. It is always recommended that appropriate trials are carried out to optimize product viscosity and equipment settings to ensure satisfactory product performance.
- 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.

## MIXING INSTRUCTIONS

Richard's Viper Acrylic Urethane Satin is a two-component material that requires both Part A and Part B. The mix ratio is 4:1. Mix Part A thoroughly before adding Part B. Pour the entire contents of Part B into the short-filled can of Part A. 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:** No induction time is required.
- **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.
- **Electrostatic Handguns:** Configurations and settings vary by manufacturer. Always consult equipment manufacturer instructions.
- **Airless 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 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;

- **GYPSUM DRYWALL/PLASTER**
  - Self-Priming
  - #26, HOLZOUT 100% Acrylic Primer/Sealer Stain Killer
  - #36, HOLZON Waterborne Acrylic Bonding Primer
- **WOOD**
  - #26, HOLZOUT 100% Acrylic Primer/Sealer Stain Killer
  - #36, HOLZON Waterborne Acrylic Bonding Primer
- **MASONRY/CONCRETE**
  - #2800, PYTHON Pre-Prime 100% Solids Epoxy
  - #2900, PYTHON Epoxy Mastic High Solids Coating
- **FERROUS METAL**
  - #1120, Industrial Universal Primer
  - #2215/2220, PYTHON Solvent Epoxy Gray/White Primers
  - #2800, PYTHON Pre-Prime 100% Solids Epoxy
  - #2900, PYTHON Epoxy Mastic High Solids Coating
- **NON-FERROUS METAL/ALUMINUM/ GALVANIZED METAL**
  - #1120, Industrial Universal Primer
  - #1230, EXCEL Waterborne Bonding Primer
  - #2215/2220, PYTHON Solvent Epoxy Gray/White Primers

## PRODUCT LIMITATIONS

Not for use in corrosive or chemical environments. Not for use in areas subject to intense heat. Not for use on below grade substrates.  
Not for use in immersion service.

## CLEAN UP & THINNING

**Clean Up:** Clean up any minor spills and splatters immediately with **2400-TH Brushing Thinner**, 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 **#2400-TH Brushing Thinner** | **#2420-TH Spraying Thinner**. Do not exceed 5% by volume

## PRECAUTIONARY & SAFETY INFORMATION

### KEEP OUT OF REACH OF CHILDREN!

**DANGER: FLAMMABLE! CONTAINS ETHERS, ESTER SOLVENTS, ACRYLIC RESIN & XYLOL! KEEP OUT OF REACH OF CHILDREN!** Keep away from heat, sparks and open flames. **INSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Turn off main gas valve until after the coating has dried, then have pilot lights re-lighted by a responsible person. Where ventilation is inadequate, use a suitable respirator. 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 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.

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**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).

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## 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.

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