



Architectural Coatings

BRP Low VOC Satin and Gloss Acrylic Urethane

**PRODUCT INFORMATION**

**Product Codes:**

BRP1501 Low VOC Satin Acrylic Urethane Finish A Component  
BRP1580 Low VOC Gloss Acrylic Urethane Finish A Component  
BRP1502 Curing Agent Component B

**Product Type:** Low VOC Acrylic Urethane

**Product Description:** Low VOC Acrylic Urethane Finish is designed to meet the most stringent VOC regulations while retaining the color range of our conventional product. In addition, this high solids chemically cross-linked coating offers exceptional exterior durability, UV and chemical resistant. Recommended for use on properly prepared and primed exterior metal and masonry surfaces where exterior durability is a consideration. These products also provide superior chemical resistance.

**RECOMMENDED SUBSTRATES**

Aluminum	Masonry
Concrete	Previously Coated Metal
Ferrous Metal	Steel
Galvanized Steel	Tightly Adhered Rust

**TINTING AND BASE INFORMATION**

Refer to the appropriate color formula book, automatic tinting equipment, and/or computer color matching system for color formulas and tinting instructions.

BRP1501	Satin Neutral Base*
BRP1580	Gloss Neutral Base*

\*Must be tinted before use.

Some colors, drastic color changes, or porous substrates may require more than one coat to achieve a uniform finish.

**FEATURES AND BENEFITS**

Feature	Benefit
Less than 50 g/L VOC	Meets the most stringent environmental regulations nationwide
High solids chemically cross-linked coating	Offers exceptional outdoor durability
Very good gloss & color retention	Durable, uniform, like-new appearance
Easy application	Can be sprayed, brushed or rolled
Fast drying (3 to 5 hours)	Quick turnaround, turns jobs faster
Outstanding protection	Good resistance to chalking, weathering, marring & abrasion
Dynamic color ranges	Available in a wide variety of colors and special effects
Dirt resistant	Looks new longer
Can earn LEED NC version 3.0 credits	Contributes to sustainable design

**TEST DATA**

Property	Test Method	Results
Gloss Retention	ASTM D523	92%
Color Retention	ASTM D2244	QUV B <1 DE 1500 HRS
Chemical Resistance	AAMA 605.2	10% NaOH: No Effect 10% HCl: No Effect 10% H2SO4: No Effect
Adhesion	ASTM D3359	5A
Impact Resistance	ASTM D2794	150 Forward and Reverse
Pencil Hardness	ASTM D3363	F
Salt Fog	ASTM B117	9, No Creepage

Performance data may vary depending on substrate, surface preparation, system selected, color, and/or film build.

**PRODUCT DATA**

**Color:** Various  
**Gloss:** Satin, Gloss

**VOC (mixed, thinned with ADS706):**  
Solid colors: <50 g/L, (0.4 lbs./gal.)  
Metallics: <80g/L (0.7 lbs./gal.)

**VOC (mixed, thinned with BRP7502):**  
Solid colors: <130 g/L (1.08 lbs./gal.)  
Metallics: <170 g/L (1.42 lbs./gal.)

	<u>LVS202 Satin White</u>	<u>LVG202 Gloss White</u>
<b>Volume Solids:</b>	44.8% +/-2%	49.1% +/- 2%
<b>Weight Solids:</b>	50.0% +/- 2%	54.0% +/- 2%

**LVS202 Satin White**

**Weight per Gallon:** 11.04 lbs. (5.4 kg) +/- 0.5 lbs. (227 g) (mixed)

**LVG202 Gloss White**

**Weight per Gallon:** 10.80 lbs. (4.9 kg) +/- 0.5 lbs. (227 g)

**Flash Point:** 45°F (7.22°C) Satin and Gloss

**CLEANUP:** Use ADS706, ADS719, ADS709

**DISPOSAL:** Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

## SURFACE PREPARATION

The service life of the coating is directly related to the surface preparation. The surface to be coated must be properly prepared, dry, clean and free of all contamination. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a properly fitted NIOSH-approved respirator and prevent skin contact 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 USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

### Aluminum

Solvent clean per SSPC-SP 1. Abrade substrate to remove gloss and obtain minimum surface profile of 1.0 mil. Solvent wipe to remove dust. **Primer:** ADS573/574, Corafon® ADS Epoxy Intermediate Primer

### Concrete

Prepare surface per SSPC-SP 13 to remove surface contaminants, loose paint, laitance, efflorescence, curing compounds, hardeners, and bond breakers. New concrete should cure for at least 7 days and the pH of the substrate must be less than 13 before priming with an alkali primer. **Primer:** ADS573/574, Corafon ADS Epoxy Intermediate Primer

### Ferrous Metal

Recommended surface preparation commercial blast per SSPC-SP 6. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean. **Primer:** ADS573/574, Corafon ADS Epoxy Intermediate Primer

### Galvanized Steel

Abrasive blast per SSPC-SP 7/NACE 4 "brush off blasting" for removal of passivator that may be present. Obtain a surface profile of 1.0-2.0 mils. Ensure passivator not present. **Primer:** ADS573/574, Corafon ADS Epoxy Intermediate Primer

### Previously Coated Metal (Non PVDF)

Remove all loose paint. Abrade surface to remove gloss and obtain surface profile. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean. Remaining coatings should be tested for adhesion and for lifting by the primer. **Primer:** ADS573/574, Corafon ADS Epoxy Intermediate Primer

The solvents contained in these products can lift some alkyd, oil based and other coatings that are not resistant to strong solvents. A test patch application is recommended before application to a significant area of unknown base coat or primer.

### Steel

Recommended surface preparation commercial blast per SSPC-SP 6. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean. **Primer:** ADS573/574, Corafon ADS Epoxy Intermediate Primer

### Tightly Adhered Rust

Remove all loose paint, mill scale and rust. Steel: SSPC SP-2/SP-3 Hand/Power Tool Cleaning minimum. Old coatings should be tested for adhesion of the existing system and lifting by primer and topcoat. **Primer:** ADS573/574, Corafon ADS Epoxy Intermediate Primer

### Weathered Galvanized Steel

Recommended surface preparation commercial blast per SSPC-SP 6. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean. **Primer:** ADS573/574, Corafon ADS Epoxy Intermediate Primer

## MIXING AND THINNING INFORMATION

### Mixing Instructions:

Mix A Component thoroughly before blending. Add Curing Agent B Component to A Component and mix until uniform.

**Mix Ratio:** 3:1 (BRP1501 or BRP1580):BRP1502

**Thinning:** Thin 20% by volume with ADS706  
Thin 20% by volume with BRP7502 Pot life extender

**Pot Life (thinned with ADS706):** Satin: 2.5 hours Gloss: 50 min.

**Pot Life (thinned with BRP7502)** Satin: >4 hours Gloss: >3 hours

**Induction Time:** None required

**Accelerator:** No

THIS PRODUCT IS MOISTURE SENSITIVE. AVOID MOISTURE CONTAMINATION.

## APPLICATION

**Coverage:** 437 to 583 sq. ft./gal. (40.5 to 54.1 sq. m/3.78 L)

Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.

Wet Film Build: 2.3 mils per coat Satin  
2.0 mils per coat Gloss

Apply one full wet coat. Allow to flash 5 to 10 minutes, then follow with a second full wet coat. Additional coats could be necessary to achieve dry film thickness, for complete hiding, or with metallics.

Dry Film Build: 1.5 to 2.0 mils recommended

### Application Method

Air spray application recommended.

**Air Spray:** DeVilbiss MBC-510, 704 or 777 air cap with "E" or "EX" tip and needle or equivalent equipment. Atomizing pressure 40-50 psi. Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury, requiring immediate medical attention at a hospital. Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use.

**Brush:** Use high-quality natural bristle brush

**Roll:** Use either a 3/16" Natural Mohair or 3/8" Lambs Wool cover with a solvent resistant core

## DRYING SCHEDULE

Air Dry @ 70°F (21°C), 50% relative humidity

Dry to Touch: 3.5 hours  
Dry to Handle: 3.5 hours  
Dry to Recoat: 10 minutes then apply a full wet coat

NOTE: If applying a clear coat allow 4 hours before application. After 24 hours scuff surface before applying a clear coat.

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

## SAFETY

**Safety:** Before using the products listed in this publication, carefully read each product label and follow directions for its use. Read and observe all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available by calling 1-800-441-9695. Utilize appropriate safety practices including use of proper personal protective equipment. See MSDS for details.

**Ventilation:** This product contains flammable solvents. Keep away from sparks and open flames. When working in enclosed areas, proper ventilation and air circulation must be maintained during and after application and coating cure. Before coating application, an assessment of the ventilation system should be made to ensure solvent vapors are effectively removed from the area. Effective solvent removal will prevent collection of solvent vapor which could provide an ignition source, fire or explosion.

## LIMITATIONS OF USE

For Professional Use Only. Not intended for Residential Use.

Apply only when air, product and surface temperatures are above 60°F (15.5 °C) and surface temperature is at least 5°F (3°C) above the dew point. Curing is retarded below 60°F (15°C). Air and surface temperatures must remain 60°F (15.5°C) for at least 24 hours. Avoid painting late in the day when dew and condensation are likely to form or if rain is predicted.

Store materials at temperatures between 60°F (16°C) and 90°F (32°C).

The solvents contained in these products can lift some alkyd, oil based and other coatings that are not resistant to strong solvents. A test patch application is recommended before application to a significant area of unknown base coat or primer.

These coatings should not be applied to dimensionally unstable substrates such as large expanses of wood.

These coatings are not recommended for immersion service.

Do not apply to concrete surfaces below grade or in other applications where hydrostatic pressure is present.

**PACKAGING**

BRP1501, Component A 1-Gallon (3.78 L)  
BRP1580, Component A 1-Gallon (3.78 L)  
BRP1502, Component B Quart (946 mL)

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