



Architectural Coatings

BRP Satin Acrylic Urethane

PRODUCT INFORMATION

Product Codes: BRP1001 A Component
BRP1002 B Component

Product Type: Acrylic Urethane

Product Description: The Satin Acrylic Urethane Finish is recommended for use on properly prepared and primed exterior metal and masonry surfaces where exterior durability and superior chemical resistance is a consideration.

RECOMMENDED SUBSTRATES

Aluminum	Previously Coated Metal (Non-PVDF)
Ferrous Metal	Steel
Galvanized Steel	Tightly Adhered Rust Weathered Galvanized Steel

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.

BRP1001 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
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
Lower price option	Economical solution

TEST DATA

Property	Test Method	Results
Gloss Retention	ASTM D523	1,000 hrs WOM 97%
Color Retention	ASTM D2244	1,500 hours QUV B DE <1
Abrasion Resistance	ASTM D4060	Tabor Loss CS-100 248g
Chemical Resistance	AAMA 605.2	Excellent
Impact Resistance	ASTM D2794	120
Pencil Hardness	ASTM D3363	4H
Flexibility	ASTM D4145	Pass 1/8" No Cracking
Salt Fog	ASTM B117	2,000 hrs No Effect

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

PRODUCT DATA

Color: Various
Gloss: Satin

VOC (mixed): 326 g/L (2.78 lbs./gal.)

Volume Solids (mixed): 39.4% +/- 3.0%

Weight Solids (mixed): 45.0% +/- 3.0%

Weight per Gallon: 10.72 lbs. (4.9 kg) +/- 0.3 lbs. 182 g (mixed)

Flash Point: BRP1001 80°F (27°C)
BRP1002 80°F (27°C)

CLEANUP: Use ADS704, ADS706, or ADS708 Thinners

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. 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

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. **Primers:** ADS573/574, Corafon ADS Epoxy Intermediate Primer, ADS225/226, Corafon ADS Wash 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. **Primers:** ADS573/574, Corafon ADS Epoxy Intermediate Primer, ADS225/226, Corafon ADS Wash 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

Mix Ratio by Volume: 3:1 (BRP1001:BRP1002)

Mixing Instructions: Mix BRP1001 thoroughly before blending. Add BRP1002 to BRP1001 and mix until uniform.

Pot Life: 8 hours at 70°F (21°C)

Induction Time: None required

Thinning: Thin up to 10% by volume with ADS704, ADS706 or ADS708

Accelerator: None available

THIS PRODUCT IS MOISTURE SENSITIVE. AVOID MOISTURE CONTAMINATION.

APPLICATION

Coverage: 210 to 316 sq. ft. (19.5 to 29.3 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: 1.5 to 2 mils per coat

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. Cured films **MUST** be scuff sanded before recoating to obtain maximum adhesion properties.

APPLICATION

Dry Film Build: 2 mils minimum

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. (SEE NOTE FOR BRUSH/ROLL APPLICATION)

NOTE: Product may be applied by brush or roller application with the addition of BRP7000 up to 25%. BRP7000 is not available in areas where 2.8 lbs./gal. (340 g/L) VOC is required. ADS706 thinner must be used in these areas. However, ADS706 aides only brush application.

DRYING SCHEDULE

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

Dry to Touch: 30 minutes

Dry to Handle: 3 hours

Dry to Recoat: 10 minutes minimum, up to 24 hours

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

Caution: All 2 component cross-linking stops or slows significantly at temperatures below 60°F or 16°C. Never spray or subject freshly painted coatings to these conditions or loss of gloss, poor water and chemical resistance, decreased durability and improper curing will occur.

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: When working in enclosed areas, proper ventilation and air circulation must be maintained during and after application and coating cure.

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).

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

BRP1001 1 Gallon (3.78L)

BRP1002 Quart (946 mL)

BRP1000 is the kit code for ordering.

Not all products available in all sizes

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