Architectural Coatings

**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**

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

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

Performance data may vary depending on substrate, surface preparation, system selected, color, and/or film build.
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, Coraflon® 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, Coraflon ADS Epoxy Intermediate Primer

Ferrous Metal

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, Coraflon 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, Coraflon 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

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, Coraflon ADS Epoxy Intermediate Primer

Weathered Galvanized Steel

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)