

**Architectural Coatings**
**Corafon® ADS Epoxy Intermediate Primer**
**PRODUCT INFORMATION**

**Product Codes:** ADS573      A Component - White  
 ADS572      A Component - Gray  
 ADS574      B Component - Curing Agent

**Product Type:** Polyamide Epoxy

**Product Description:** Corafon ADS Epoxy Intermediate Primer is recommended as an intermediate coat or tie coat over previously coated or bare exterior or interior steel and aluminum substrates.

**RECOMMENDED SUBSTRATES**

Aluminum	Steel
Ferrous Metal	Tightly Adhered Rust
Galvanized Steel	Weathered Galvanized Steel
Previously Coated Metal	

**TINTING AND BASE INFORMATION**

ADS573      A Component - White  
 ADS572      A Component - Gray

Do not tint.

**PRODUCT DATA**

**Color:** White (ADS573)  
 Gray (ADS572)

**Gloss:** Satin

**VOC (thinned)\*:** 227 g/L (1.89 lbs./gal.)

**Volume Solids (mixed, unthinned)\*:** 73.8% ± 3.0%

**Weight Solids (mixed, (unthinned)\*:** 84% ± 3.0%

**Weight per Gallon**  
**(mixed, unthinned)\*:** 11.8 lbs.(5.4 kg) ± 0.5 lbs. (227 g)

**Flash Point:** ADS573      80°F (28°C)  
 ADS572      80°F (28°C)  
 ADS574      123°F (51°C)

**CLEANUP:** ADS702 or ADS706 Thinners

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

**FEATURES AND BENEFITS**

Feature	Benefit
Excellent adhesion	Adheres to a wide variety of difficult substrates
Excellent corrosion and abrasion resistance	Protects the substrate longer
Promotes excellent base	Enhances the durability of the complete coating system
Flexible	Withstands bends with no cracking or peeling
Very good hardness	Durable first coat providing excellent abrasion resistance

**TEST DATA**

Property	Test Method	Results
Abrasion Resistance	ASTM D4060	Tabor Loss CS-17 100g
Adhesion	ASTM D3359	5A
Impact Resistance	ASTM D2794	160 Forward/80 Reverse Cross Hatch No Loss
Pencil Hardness	ASTM D3363	F
Flexibility	ASTM D4145	Pass ¼" No Cracking
Salt Fog	ASTM B117	9, 4mm Creepage

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](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

When using Coraflon<sup>®</sup> ADS Wash Primer ADS225/ADS226, solvent clean per SSPC-SP 1. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean. Solvent wipe to remove dust.

If not using Coraflon ADS Wash Primer ADS225/ADS226, then 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.

### Ferrous Metal

Recommended surface preparation commercial blast per SSPC-SP 6. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean.

### 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.

### 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.

### Steel

Recommended surface preparation commercial blast per SSPC-SP 6. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean.

### 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.

### 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.

## MIXING AND THINNING INFORMATION

**Mix Ratio by Volume:** 1:1 (ADS573 or ADS572:ADS574)

**Mixing Instructions:** Under mechanical agitation, mix ADS573 thoroughly. Add ADS574 to ADS573 and mix until uniform.

**Induction Time:** Not applicable

**Pot Life:** 3 - 4 hours at 77°F (25°C)

**Thinning:** Thin as needed up to 10% by volume with ADS702 or ADS706.

**Accelerator:** None available

## APPLICATION

**Coverage:** 215 to 538 sq. ft./gal.(20 to 50 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: 3 to 7.5 mils (mixed & thinned)

Dry Film Build: 2 to 5 mils

### Application Method

**Air Spray:** DeVilbiss MBC gun, 704 or 777 air cap with "E" tip and needle or equivalent equipment. Atomizing pressure 30-60 psi.

**Airless Spray:** Equipment capable of maintaining a minimum of 2500 psi at the tip without surge. 0.015" (0.381 mm) to 0.018" (0.457 mm) orifice. 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.

Small areas may be brushed using a high quality natural bristle brush.

## DRYING SCHEDULE

Air Dry @ 77°F (25°C); 50% relative humidity

To Touch: 3 hours

To Handle: 6 hours

To Recoat: 6 hours

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 50°F (10°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 50°F (10°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.

## PACKAGING

ADS573/ADS572  
Quart (946 mL)  
1-Gallon (3.78 L)  
5-Gallon (18.9 L)

ADS574  
Quart (946 mL)  
1-Gallon (3.78 L)  
5-Gallon (18.9 L)

PPG Architectural Finishes, Inc. believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.



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ADS573 2/2011

## Architectural Coatings

## Coraflon® ADS Intermix Satin and Gloss

## PRODUCT INFORMATION

**Product Codes:** The product code for Coraflon ADS Intermix Component A can either be ADSxxxxxx where "x" is the color and gloss designation or ADxLxxxxx where x is the gloss designation and L is the color family. ADS1B is the B Component Curing Agent.

**Product Type:** A Component - 100% FEVE (fluoropolymer)  
 B Component - Aliphatic isocyanate

**Product Description:** Coraflon ADS Intermix is a two component fluoropolymer finish that provides excellent color, gloss and chalk resistance.

## RECOMMENDED SUBSTRATES

Aluminum	PVDF Coated Metal
Ferrous Metal	Steel
Galvanized Steel	Tightly Adhered Rust
Previously Coated Metal	Weathered Galvanized Steel

## TINTING AND BASE INFORMATION

Refer to PPG Coraflon ADS Color Selector Guide. Customer matched colors available upon request. Contact your Coraflon Technical Service or sales representative for specific color information.

## PRODUCT DATA

**Color:** Various  
**Gloss:** Satin and Gloss

**VOC** Satin  
 (mixed and thinned)\*: 156 g/L (1.3 lbs./gal.)  
**VOC** Gloss  
 (mixed and thinned)\*: 126 g/L (1.1 lbs./gal.)

	<u>Satin</u>	<u>Gloss</u>
<b>Volume Solids</b> (mixed and thinned)*:	36.5% +/- 3.0%	36.2% +/- 3.0%
<b>Weight Solids</b> (mixed and thinned)*:	46.9% +/- 3.0%	46.2% +/- 3.0%
<b>Weight per Gallon</b> (mixed and thinned)*:	12.3 lbs. (5.1 kg) +/- 0.5% lbs. (227 g)	

Contact your Coraflon Technical Service or sales representative for product formulated to meet the VOC limits in the SCAQMD region (100 g/L VOC).

**Flash Point:** A Component 100°F (37°C)  
 B Component 117°F (47°C)

\*Values calculated using Coraflon ADS Intermix White with ADS1B. Values will vary with color.

**CLEANUP:** ADS706, ADS710 or ADS719

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

## FEATURES AND BENEFITS

## Feature

Exceptional color and gloss retention  
 Decorative color selection  
 Outstanding protection  
 Aesthetically more pleasing  
 Extended life cycle  
 Easy application  
 Coatings save money  
 VOC compliant

## Benefit

Durable, uniform, like-new appearance  
 Available in a wide variety of colors  
 Excellent resistance to chalking, weathering, marring & abrasion  
 Superior resistance to ultra-violet light  
 Lengthens building life and reduces maintenance costs  
 Can be sprayed, brushed or rolled  
 Cost-effective alternative to removing & replacing infrastructure  
 Lower than federal AIM, OTC, LADCO, and CARB regulations

## TEST DATA

Property	Test Method	Results
Gloss Retention	ASTM D523	5 Yrs. FLA >98%
Color Retention	ASTM D2244	10 Yrs FLA DE<5
Abrasion Resistance	ASTM D968	50 L min.
Chalk Resistance	ASTM D4214	10 Yrs FLA - 8
Chemical Resistance	AAMA 605.2	Acid – No effect; Nitric Vapors-<5DE Hunter units
Adhesion	ASTM D3359	No Loss
Impact Resistance	ASTM D2794	Reverse 1/16" Cross Hatch No Loss
Pencil Hardness	ASTM D3363	HB-H
Flexibility	ASTM D4145	3-T-Bend No Cracking or Pick-off

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](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** When using Coraflo® ADS Wash Primer ADS225/ADS226), solvent clean per SSPC-SP 1. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean. Solvent wipe to remove dust. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS225/226 Coraflo ADS Wash Primer, ADS573/574, Coraflo ADS Epoxy Intermediate Primer.

If not using Coraflo ADS Wash Primer, 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. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS573/574, Coraflo 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. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS573/574, Coraflo ADS Epoxy Intermediate Primer, ADS570 Series, Coraflo ADS Zinc Rich Epoxy 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. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS573/574, Coraflo 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. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS573/574, Coraflo ADS Epoxy Intermediate Primer

### PVDF Coated Aluminum and Steel

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. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS510/511, Coraflo ADS Epoxy PVDF Bonding Primer

### Steel

Recommended surface preparation commercial blast per SSPC-SP 6. Minimum surface preparation SSPC-SP 2/SP 3 Hand Tool/Power Tool Clean. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS573/574, Coraflo 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. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS573/574, Coraflo 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. The appropriate primer must be used for the substrate to be coated. Coraflo ADS Primers are available for use on various substrates. **Primer:** ADS573/574, Coraflo ADS Epoxy Intermediate Primer