Architectural Coatings

Coraflon® ADS Intermix Metallic

PRODUCT INFORMATION

Product Codes: The product code for Coraflon ADS Intermix Metallic Component A is ADS9xxxxXL. The XL designation at the end of these codes indicates a clear coat is required. Newer Coraflon ADS codes are designated ADxZxxxxX where Z indicates a metallic color and the X indicates a clear coat is required. ADS1B is Component B Curing Agent.

Product Type: Component A is formulated using only 100% FEVE (fluoropolymer) resins. Component B is an aliphatic isocyanate.

Product Description: Coraflon ADS Intermix Metallic is a two component fluoropolymer metallic finish that provides excellent color and chalk resistance. Coraflon ADS Clear is intended for use over certain colors and all metallic intermediate coats. Please contact Technical service for specific recommendations.

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.

With mica and metallic finishes, subtle color differences may occur depending on application equipment, film build, thinner type and level, and/or clearcoat selected.

PRODUCT DATA

Color: Various
Gloss: N/A

VOC (mixed and thinned)*: 233 g/L (1.94 lbs./gal.)
Contact your Coraflon Technical Service or sales representative for product formulated to meet the VOC limits in the SCAQMD region (100 g/L VOC).

Volume Solids (mixed and thinned)*: 33% +/- 3.0%
Weight Solids (mixed and thinned)*: 38.8% +/- 3.0%

Weight per Gallon (mixed and thinned)*: 11.0 lbs. (5.0 kg) +/- 0.5 lbs (227 g)

Flash Point:	A Component	100ºF (37ºC)
	ADS1B	117ºF (47ºC)

*Values calculated using Coraflon ADS Intermix A-4480 Metallic 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	Benefit
Exceptional color and gloss retention	Durable, uniform, like-new appearance
Decorative color selection	Available in a wide variety of colors
Outstanding protection	Excellent resistance to chalking, weathering, marring & abrasion
Aesthetically more pleasing	Superior resistance to ultra-violet light
Extended life cycle	Lengthens building life and reduces maintenance costs
Easy application	Can be sprayed, brushed or rolled
Coatings save money	Cost-effective alternative to removing &replacing infrastructure
VOC compliant	Lower than federal AIM, OTC, LADCO, and CARB regulations

TEST DATA

Property	Test Method	Results
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. 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® 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. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS573 Coraflon ADS Epoxy Intermediate Primer

If not using Coraflon 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. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS573 Coraflon 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. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS573 Coraflon ADS Epoxy Intermediate Primer, ADS570 Coraflon 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. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS573 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. The appropriate primer must be used for the substrate to be coated. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS573 Coraflon 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. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS510 Coraflon 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. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS573 Coraflon 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. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS573 Coraflon 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. Coraflon ADS Primers are available for use on various substrates. **Primer:** ADS573 Coraflon ADS Epoxy Intermediate Primer

MIXING AND THINNING INFORMATION

Mix Ratio by Volume: 16.2:1 (ADS A Component:ADS1B)
Mixing Instructions: Agitate Coraflon ADS Intermix Metallic A Component thoroughly prior to blending. Add ADS1B to Coraflon ADS Intermix A Component and mix well. Thoroughly drain curing agent from its container to insure proper mix ratio.
Induction Time: Not applicable
Pot Life: 4 hours at 77°F (25°C)
Thinning: Thin as needed up to 20% with ADS706, ADS710 or ADS719
Accelerator: None available

THIS PRODUCT IS MOISTURE SENSITIVE. AVOID MOISTURE CONTAMINATION.

APPLICATION

Coverage: 240 to 352 sq. ft./gal. (22.3 to 32.7 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: 4.5 to 6.7 mils (mixed & thinned)
Dry Film Build: 1.5 to 2.2 mils
Application Method:
Air spray application preferred. Consult Technical Service for airless spray application recommendations.

Air Spray: DeVilbiss MBC gun, 704 or 777, air cap with “F” tip and needle or equivalent. Atomizing pressure 55-70 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.

DRYING SCHEDULE

Air Dry @ 77°F(25°C), 50% relative humidity
To Touch: 1 to 2 hours
To Handle: 10 to 12 hours
To Recoat: 4 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. These products require specialized training. Please contact your PPG Technical Sales Representative for proper use and application recommendations.

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. 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

Quart (946 mL)
1-Gallon (3.78 L)

PPG Industries, Inc.
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