Architectural Coatings

Coraflon® ADS Barrier Coat

PRODUCT INFORMATION

Product Codes: ADS564 A Component - Off White
ADS1B B Component - Curing Agent

Product Type: FEVE (Fluoropolymer)

Product Description: Coraflon ADS Barrier Coat is a two component fluoropolymer finish for use under selected mica colors enhancing the durability of the complete coating system.

RECOMMENDED SUBSTRATES

Aluminum
Ferrous Metal
Galvanized Steel
Previously Coated Metal
PVDF Coated Aluminum and Steel
Steel
Weathered Galvanized Steel

RECOMMENDED PRIMERS

The appropriate primer must be used for the substrate to be coated prior to application of ADS Barrier Coat. Coraflon ADS Primers are available for use on various substrates. Consult Technical Service for specific primer recommendation.

TINTING AND BASE INFORMATION

ADS564 Off White

Do not tint.

PRODUCT DATA

Color: Off White

Gloss: Satin

VOC (mixed and thinned): 156 g/L (1.3 lbs./gal.)

Volume Solids (mixed, unthinned): 43.3 ± 3.0%
Weight Solids (mixed, unthinned): 53.5 ± 3.0%

Weight per Gallon: 12.77 lbs. (5.8 kg) ± 0.5 lbs. (227 g)

Flash Point: ADS564 100ºF (37ºC)
ADS1B 117ºF (47ºC)

CLEANUP: ADS706, ADS710, 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
Excellent adhesion	Bonds to a wide variety of difficult substrates
Excellent impact 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
Color Retention	ASTM D2244	10 Yrs FLA DE<5
Abrasion Resistance	ASTM D968	50 L min.
Chalk Resistance	ASTM D4214	10 Yrs FLA-8
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. Preparation varies with the substrate to be coated. 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 Series, Coraflon® 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 Series, Coraflon 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 Series, Coraflon 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 Series, Coraflon 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. **Primer:** ADS510 Series, Coraflon 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. **Primer:** ADS573/574 Series, Coraflon 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 Series, Coraflon Epoxy Intermediate Primer

MIXING AND THINNING INFORMATION

Mix Ratio by Volume: 16.2:1 (ADS564:ADS1B)

Mixing Instructions: Agitate ADS564 thoroughly prior to blending. Add ADS1B to ADS564 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

APPLICATION

Coverage: 266 to 390 sq. ft./gal. (24.7to 36.6 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: 4.1 to 6.0 mils (mixed & thinned)
Dry Film Build: 1.5 to 2.2 mils

Application Method
Air or electrostatic spray application preferred. Consult Technical Service for airless spray application recommendations. 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.

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

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.

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

ADS564	1-Gallon (3.78 L)
ADS1B	Quart (946 mL)

PPG Industries, Inc.
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