

Product Data Sheet



PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272
1-800-441-9695

Coraflox™ ADS Epoxy Primer ADS553/ADS554 Gray

Product Information

Product Code: ADS553 Gray Component A
ADS554 Curing Agent Component B

Product: Two component epoxy

Suggested Use: Coraflox ADS Epoxy Primer is recommended for use on properly prepared substrates to be topcoated with Coraflox ADS or Megaflox™ MS.

Product Description

Color: Gray

Gloss 60°: Typically 20-25. Gloss not controlled.

VOC: 241 g/l (2.01 lbs/gal)

Method: Calculated (mixed)

Weight/Gallon: 12.0 +/- 0.5 lbs./gal. (mixed)

In Service Heat Limitations: Dry: 400°F (205°C) maximum

Flash Point: ADS553 Component A 70°F (21°C)
ADS554 Component B 66°F (19°C)

Package: Ones and fives

Percent Solids by Volume: 72.2% +/- 3.0% (mixed)

Percent Solids by Weight: 83.2% +/- 3.0% (mixed)

Drying Schedule

Air Dry per ASTM D5895			
	32°F (0°C)	77°F (25°C)	100°F (37.8°C)
Dry to Touch:	16 hours	3-4 hours	
Dry to Handle:	3 days*	7-8 hours*	Unthinned 2 to 3 hours.* Thinned with ADS708 4 to 5 hours.*
Dry to Recoat:	When dry to handle.	3 hours minimum**	3 hours minimum**

Apply only when air, product and surface temperatures are above 32°F (0°C) and surface temperature is at least 5°F (3°C) above the dew point and no frost or ice is present on the substrate. This product may be applied to damp surfaces. Excessive dampness is observed when the surface appears to shine from moisture or there is standing water.

Application Data

Substrate: Dimensionally stable

Substrate Preparation: Preparation varies with the substrate to be coated. Consult Technical Service for specific recommendation.

Application Method: Spray preferred. Small areas may be brushed. Roller application may be used with appropriate thinning.

Air Spray: DeVilbiss MBC-510 gun, 704 or 777 air cap with "E" tip and needle or equivalent equipment. Atomizing pressure 55-70 psi.

Airless Spray: Equipment capable of maintaining a minimum of 1500 psi at the tip without surge. 0.017" (0.432 mm) to 0.021" (0.533 mm) orifice.

Brush: Use a high quality natural bristle brush. 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.

Parts Base by Volume: 1 parts ADS553 Component A

Parts Catalyst by Volume: 1 part ADS554 Component B

Thinner Code & Percent: Thinning not normally required. To compensate for unusual environmental or application conditions, and where allowed by local VOC regulations, thin up to 10% with ADS708 in cool weather and up to 10% with ADS702 or ADS701 in warmer weather.

Digestion Time: None required

Pot Life: 32°F (0°C) 4-5 hours
77°F (25°C) 4 hours
77°F (25°C) 1 hour unthinned, 4 hours thinned with ADS702.

Wet Film Per Coat (mils): 2.8-4.2 as a tie coat 6.9-
9.7 for barrier protection

Dry Film Per Coat (mils): 2.0-3.0 as a tie coat 5.0-
7.0 for barrier protection

The statement and methods presented in this bulletin are based upon the best available data and practices known to PPG Architectural Finishes, Inc. at the present time. They are not representations or warranties of performance, results or comprehensiveness of such data. Since PPG Architectural Finishes, Inc. is constantly improving its coatings and paint formulas, future technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG Sales Representative or the Pittsburgh Paints Information Center for the most up-to-date information.

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Coverage Sq. Ft./Gal. @ 1

mil: 1158

Clean Up Solvent: ADS701, ADS702 or ADS708

Additional Surface Preparation Information: Service for Ferrous Metal: Minimum surface preparation for ferrous metal substrates is wire brushing (SSPC-SP 2/3, Hand Tool Cleaning) to remove all loose rust and paint. Service life is in direct proportion to surface preparation.

Hot Dipped Galvanized Steel: Caution must be used when selecting coatings for use on all galvanized metal surfaces. These substrates may have a factory applied stabilizer, which is used to prevent white rusting during storage and shipping. Some of these stabilizers are not soluble in solvents used for degreasing. They remain on the surface and prevent the paint from gaining maximum adhesion. Such stabilizers must be removed by either brush blasting or chemical treatment.

Aluminum: Must be lightly blasted to remove contaminants and provide an anchor pattern prior to application of ADS553/ADS554. If blasting is not possible, then the aluminum surface must be pretreated with ADS Wash Primer, ADS225/ADS226/ADS703. The Wash Primer must dry overnight prior to the application of ADS553/ADS554.

Tie coat for aged fluoropolymer: Surface must be dry, clean and free of all contamination.

Mixing Instructions: Agitate both components thoroughly prior to blending. Add equal parts by volume ADS554 to ADS553 and mix well. No digestion time is required.

Additional Information: Drying times listed may vary depending on temperature, humidity and air movement.

Due to the inherent nature of the chemistry of these products, they will yellow, chalk and lose gloss with age and exterior exposure. None of these conditions will affect the integrity of the film or its ability to guard against corrosion.

Not intended residential use.

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.

Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available by calling 1-800-238-8596.

*This condition does not mean that the paint film has reached full cure; handling can be achieved without loosening, wrinkling or otherwise marring the film under minimal pressure from fingers or hands. Drying times listed may vary depending on temperature, humidity, air movement and film thickness.

**Under this condition the paint film is not dry to handle and may be easily damaged. When recoating or topcoating, the dry time of the total system will be extended compared to the dry time of a single coat. Additional care must be taken not to exceed the recommended film thickness of primer and topcoat. Dry times will vary depending on temperature, humidity, air movement and film thickness.

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