



Performance Coatings & Finishes

# Amercoat® 5105

## Alkyd primer

## Product Data/ Application Instructions

- Excellent sprayability
- Resists corrosion
- Contains no lead or chrome pigments

### Typical Uses

Corrosion resistance is typical of high quality alkyd primers for steel and will minimize corrosion that may occur in the time between priming and topcoating of the structure.

- Suitable for exterior and interior steel surfaces
- Basic primer for enamel finish coatings and other selected conventional topcoats

### Surface Preparation

Abrasive blasting, chemical treatment or mechanical cleaning, depending upon conditions and owner's specifications. Surface must be free of moisture, grease or other contaminants. All loose rust, scale or existing paint must be removed.

**Steel** – New steel without pits or depressions; blast in accordance with SSPC-SP6, or pickle in accordance with SSPC-SP8. For mild exposures; power tool cleaning in accordance with SSPC-SP3 is acceptable.

**Existing intact coatings** – All intact coatings must be clean, dry, tightly bonded and free of defects. Abrasive blast SSPC-SP7, or use Prep 88 cleaner to prepare surface.

**Caution:** Do not apply over galvanized steel, concrete, organic or inorganic zinc coated steel surfaces, asphalt or coal tar based coatings.

### Application Equipment

The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure and tip size may be needed for proper spray characteristics.

**Airless spray** – Standard equipment such as Graco Bulldog Hydra-Spray or larger, a 0.017-inch fluid tip.

**Conventional spray** – Industrial equipment such as DeVilbiss MBC or JGA or Binks 18 or 62 spray gun. Use moisture and oil trap in main air supply line and separate regulators for air and fluid pressure.

**Power mixer** – Jiffy Mixer powered by an air or explosion-proof electric motor.

### Physical Data

Finish	Flat	
Color	Pearl Gray, White, Oxide Red,	
Components	1	
Typical volume solids (Calculated)	60%±3	
Dry film thickness per coat	2 to 3 mils (50 to 75 microns)	
Coats	1	
Theoretical coverage 1 mil (25microns)	ft <sup>2</sup> /gal 994	m <sup>2</sup> /L 24
VOC (EPA 24)	lbs./gal. 2.33	g/L 280
Flash Point	°F	°C
Amercoat 5105	100	38
Amercoat 15	106	41

### Application Data

Applied over	Bare or previously painted steel	
Surface preparation	SSPC-SP3, 6 or 8	
Method	Airless or conventional spray, brush, or roller	
Environmental conditions		
Temperature	°F	°C
air and surface	40 to 110	5 to 43
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.		
Drying time (hours)	°F/°C	
	70/21	
through	24	
tack-free	2	
hard	6	
recoat (minimum)	12	
Thinner and cleaner	Amercoat 15	

### Shipping Data

Packaging	5-gal can, 55-gal drum	
Shipping weight (approx)	lb	kg
5-gal can	63	29
55-gal drum	643	292
Shelf life when stored indoors at 40 to 100°F (4 to 38°C)	1 year from shipment date	

Numerical values are subject to normal manufacturing tolerances, color and testing variances. Allow for application losses and surface irregularities.

## Application Procedure

1. Flush equipment with thinner or cleaner.
2. Stir to uniform consistency. Remove particles and skin by straining through cheesecloth or equivalent.
3. If thinning is necessary thin with up to  $\frac{1}{2}$  pint of Amercoat 15 per gallon of Amercoat 5105.
4. Apply a wet coat in even, parallel passes with 50 percent overlap to minimize holidays, bare areas and pinholes.
5. Store unused materials in tightly closed containers. Contents of partially filled containers may show surface skinning after storage. If skin forms, remove by straining before use.
6. Clean equipment immediately after use with Amercoat 15.

## Safety Precautions

Read material safety data sheet before use. Safety precautions must be strictly followed during storage, handling and use.

**CAUTION – Improper use and handling of this product can be hazardous to health and cause fire or explosion.**

**Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and solvent vapor concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.**

**This product is to be used by those knowledgeable about proper application methods. Ameron makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which Ameron is unaware and over which it has no control.**

**If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.**

**Note:** Consult Code of Federal Regulations Title 29, Labor, parts 1910 and 1915 concerning occupational safety and health standards and regulations, as well as any other applicable federal, state and local regulations on safe practices in coating operations.

***This product is for industrial use only. Not for residential use.***

## Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to Ameron in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Ameron of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

**Ameron makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Ameron be liable for consequential or incidental damages.**

Any recommendation or suggestion relating to the use of the products made by Ameron, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

## Limitation of Liability

Ameron's liability on any claim of any kind, including claims based upon Ameron's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. **In no event shall Ameron be liable for consequential or incidental damages.**



Ameron U.S.A. • 13010 Morris Rd, Suite 400, Alpharetta, GA 30004 • (678) 393-0653  
Ameron B.V. • J. F. Kennedylaan 7, 4191 MZ Geldermalsen, The Netherlands • (31) 345-587-587