



Performance Coatings & Finishes

Amercoat® 148

Waterborne acrylic primer

Product Data/ Application Instructions

- Low odor
- Dries fast, minimum downtime
- Good mechanical, physical properties
- Accepts a wide range of topcoats
- Maximum corrosion protection on steel
- Single-package convenience
- Brush, roll or spray
- VOC compliant
- High build
- Surface tolerant
- Compatible with most existing coatings
- Good dry fall characteristics
- Quick, easy clean up

Amercoat 148 is a high-performance, high-build waterborne acrylic primer with excellent inhibitive features. Ideal for steel and other substrates, it provides a bond between existing painted or primed surfaces and suitable Ameron high-performance topcoats such as Amercoat 220 waterborne acrylic, Amercoat 335 waterborne epoxy acrylic, Amershield™ high-build polyurethane and Amercoat 5401HS. Amercoat 148 may be applied by brush, roller, and airless or conventional sprayer. Minimal surface preparation is required. It can be topcoated after 3 hours at 70°F.

When used with a suitable topcoat, Amercoat 148 has excellent resistance to weathering, water, and splash and spill of a variety of industrial and household chemicals. It also inhibits corrosion and resists cracking and impact damage.

Typical Uses

- Structural steel
- Tanks
- Pipe and equipment
- Rebar coating
- Marine vessels topsides and interiors
- Offshore platform interiors

Surface Preparation

Coating performance is proportional to the degree of surface preparation. Abrasive blasting is usually the most effective and economical method to remove rust and mill scale. However, where this is impossible or impractical, Amercoat 148 can be applied over mechanically cleaned surfaces.

Steel – Remove all loose rust, dirt, grease or other contaminants from surface; abrasive blast SSPC-SP6 or power tool clean SSPC-SP3. Water blasting is also acceptable–NACE RP-01-72. Blast to achieve a 1- to 2-mils (25 to 50 microns) anchor profile as indicated by a Keane-Tator Surface Profile Comparator, Testex Tape or similar device.

Physical Data

Finish	Flat
Color	Oxide red, off-white
Components	1
Curing mechanism	Drying
Volume solids (calculated)	41 ± 3%
Dry film thickness per coat	2 to 3 (25 to 75 microns)
Coats	1 or 2*

*Two coats for industrial structure steel. First coat of oxide red with second coat of off-white, when applying white or pastel colors of Amercoat 220.

Theoretical coverage	ft ² /gal	m ² /L
1 mil (25 microns)	657	16.1
3 mils (75 microns)	219	15.4
VOC	1.61 lb/gal	193 g/L
Flash point (SETA)	°F	°C
Amercoat 148	>200	>93

Application Data

Applied over	Steel
Surface preparation	Abrasive blast, power tool clean
Method	Airless or conventional spray, brush, roller
Topcoats	Amercoat 335, 220, Amercoat 5401HS, Amershield™

Environmental conditions		
Temperature	°F	°C
air	40 to 110	4 to 43
surface	40 to 120	4 to 49
Relative humidity		
40°F	maximum 60%	
50 to 100°F	maximum 85%	
above 100°F	maximum 95%	

Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.

Drying time (ASTM D1640) @ 2 mils	°F/°C		
	90/32	70/21	50/10
touch (minutes)	15	20	45
through (hours)	1	3	12
recoat minimum (hours)			
with 220, 335	1	3	12
with Amershield, 5401HS	12	24	96

Note: At 50°F or below and at relative humidity above 70%, drying time is extended.

Thinner	Water
Equipment cleaner	Water or water with detergent

Formerly Amerguard™ 148

Application Equipment

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

Airless spray – Standard equipment such as Graco Bulldog Hydra-Spray or larger with a 0.013- to 0.019-inch spray tip.

Conventional spray – Industrial equipment, such as DeVilbiss, JGA 502 or Binks BBR spray gun. Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

Brush – Natural bristle. Maintain a wet edge.

Roller – Industrial roller. Level any air bubbles with bristle brush.

Power mixer – Jiffy Mixer

Adhere to all application instructions, precautions, conditions and limitations to obtain maximum performance. For conditions outside the requirements or limitations described, contact your Ameron representative.

Application Procedure

1. Flush equipment with fresh water before using.
2. Stir material thoroughly to a workable consistency to ensure suspension of pigments.
3. Thinning is normally not required. If necessary for workability, thin with up to $\frac{1}{2}$ pint of water per gallon of Amercoat 148.
4. Apply a wet coat in even, parallel passes; overlap 50 percent to avoid bare areas, pinholes and holidays. If required, cross spray at right angles to first pass.
5. Ventilate with clean air during application and drying. Temperatures and relative humidity of ventilating air will affect drying times. Avoid contact with water or condensation on the coating surface until dry through; otherwise, surface discoloration may occur.
6. Clean all equipment immediately after use with clean water or water and detergent.

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.

Shipping Data

Packaging	1 gal and 5 gal	
Shipping weight (approx)	lb	kg
1 gal	14.6	6.6
5 gal	71.0	32.3
Shelf life when stored indoors at 40 to 100°F (4 to 38°C)	1 year from shipment date	

Protect from freezing.

Numerical values are subject to normal manufacturing tolerances, color and testing variances. Allow for application losses and surface irregularities. See application instructions for complete information and safety precautions.

The mixed product is nonphotochemically reactive as defined by the South Coast Air Quality Management District's Rule 102 or equivalent regulations.

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.

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 mist 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 interior 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.

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