



**AMERON**  
INTERNATIONAL

Performance Coatings & Finishes

# Amercoat® 3203

*Silicone alkyd*

## Product Data/ Application Instructions

- High solids
- VOC compliant
- Excellent durability, gloss and color retention
- Meets Mil-E-24635A (SH) Type I & II Class 2

### Application Instructions

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

### Surface Preparation

Coating performance is proportional to the degree of surface preparation. Prior to coating, all surfaces must be clean, dry and free of all contaminants, including salt deposits.

**Steel** – Remove all loose rust, dirt, grease or other contaminants by one of the following depending on the degree of cleanliness required: hand tool clean, SSPC-SP2; power tool clean, SSPC-SP3; abrasive blast SSPC-SP6; or SSPC-SP7. Water blasting is also acceptable. For more severe service, abrasive blast SSPC-SP10. The choice of surface preparation will depend on the system selected and end-use service conditions.

Blast to achieve a surface profile not to exceed 1 mil (25 microns) as indicated by a Keane-Tator Surface Profile Comparator, Testex Tape or similar device. Rougher profiles are acceptable, but require increased film thickness for equivalent protection. Remove abrasive residue and dust from surface.

### Repair

Previously coated surfaces must be clean, dry, tightly bonded and free of all loose paint, corrosion products or chalk residue. Prepare damaged areas to original surface preparation specifications. Feather edges of intact coating. Thoroughly remove dust or abrasive residue before touch-up.

### 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 0.015- to 0.017-inch fluid tip.

**Conventional** – Industrial equipment such as DeVilbiss MBC or Binks 18, 62 or BBR spray gun. A moisture and oil trap in the main air supply line, a pressure material pot with mechanical agitator and separate regulators for air and fluid pressure are recommended.

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

### Physical Data

Finish	Semigloss and flat	
Color	Standard	
Components	1	
Curing mechanism	Solvent release and air oxidation	
Volume solids (calculated)	60% ± 3%	
Dry film thickness per coat	2 mils (50 microns)	
Coats	1	
Theoretical coverage	ft <sup>2</sup> /gal	m <sup>2</sup> /L
1 mil (25 microns)	962	23.6
2 mils (50 microns)	481	11.8
VOC	lb/gal	g/L
Amercoat 3203	2.8	335
Temperature resistance	°F	°C
continuous (dry)	300	149
Flash point (SETA)	°F	°C
Amercoat 3203	95	35
Amercoat 12	2	-17

### Application Data

Applied over	Primed steel	
Surface preparation	Abrasive blast, mechanical cleaning	
Method	Airless or conventional spray, brush, roller	
Environmental conditions		
Temperature	°F	°C
air and surface	40 to 100	4 to 38
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.		
Drying time (ASTM D1640) (hours)	°F/°C	
	70/21	
touch	2	
through	8	
Recoat time (hours)		
minimum	24	
maximum	—	
Thinner	Not recommended	
Equipment cleaner	Thinner or Amercoat 12	

## Application Procedure

1. Flush all equipment with Amercoat 12 before use.
2. Stir material thoroughly until uniformly blended.
3. Thinning not recommended.
4. Apply a wet coat in even, parallel passes, overlap each pass 50 percent to achieve a dry film thickness of 2 to 3 mils.
5. Clean equipment with Amercoat 12 immediately after use.

## 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 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.***

## Shipping Data

Packaging	1- gal	5- gal
Shipping weight (approx)	lb	kg
1- gal can	11	5
5- gal can	53	24

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.

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

## 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.**



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