

Product Data

- Glossy, attractive topcoat
- Outstanding weather resistance with excellent color and gloss retention
- Resistant to broad range of corrosive atmospheres
- Resists soil pickup – easily cleanable
- Cures through wide temperature range
- Hard, tough, flexible, and abrasion resistant

Typical Uses

As a finish coat where attractive appearance and a wide range of corrosive resistance is required - chemical plants, pulp and paper mills, offshore platforms, petroleum refineries, containers.

For complete information on surface preparation, environmental conditions, application, and safety precautions, see this product's application instructions.

Like all high-performance coatings, Amercoat 450GL must be applied as recommended to obtain the maximum performance.

Application Data Summary

Surface preparation – Refer to application instructions for primer and intermediate coats.

Curing time – Rate of curing is depended on temperature. At 60 to 75°F (18 to 24°C) a full cure requires seven days. For many types of service, coating may be used before final cure is attained. See application instructions.

The components of polyurethane are reactive with moisture. Keep containers dry and tightly sealed to avoid moisture contamination.

Chemical Resistance Guide

When applied over suitable primer or intermediate coat:

Environment	Splash and Spillage	Fumes and Weather
Acidic	VG	E
Alkaline	VG	E
Solvents	G	E
Salt solutions		
Acidic	E	E
Neutral	E	E
Alkaline	E	E
Water	E	E
G-Good	VG-Very Good	E-Excellent

This table is only a guide. For specific recommendations, contact your Ameron representative for your particular corrosion protection needs. Amercoat 450GL is not presently recommended for immersion service.

Physical Data¹

Finish	Glossy	
Color	Consult your Ameron representative	
Components	2	
Curing mechanism	Solvent release and chemical reaction between components	
Volume solids (calculated)	50% ± 3%	
Dry film thickness per coat	2 mils (50 microns)	
Theoretical coverage ²	ft ² /gal	m ² /L
450GL		
2 mils (50 microns)	401	8.9
VOC	4.0 lb/gal	482.6 g/L
Temperature resistance (Dry)	°F	°C
continuous	200	93
intermittent	250	121
Flash point (SETA)	°F	°C
cure	54	12 SETA
resin	85	29 SETA
mixed	79	26 SETA
Amercoat 65	78	25 SETA
Amercoat 12	2	-7 PMCC

Application Data³

Applied over	Concrete or primed steel	
Surface preparation	As per specific primer or intermediate	
Method	Airless or conventional spray	
Coats	1	
Mixing ratio (by volume)	4 parts resin, 1 part cure	
Pot life @ 70°F (21°C)	20 hrs	
Environmental conditions		
Temperature	°F	°C
air and surface	20 to 120	-7 to 49
Drying time		
(ASTM D1640)	70°F (21°C)	
touch	2 hrs	
through	8 hrs	
Thinner	Amercoat 65	
Cleaner	Amercoat 12	

¹ Numerical values are subject to normal manufacturing tolerances, colors and testing variances.

² Allow for application losses and surface irregularities.

³ See application instructions for complete information and safety precautions.

Shipping Data

Packaging	1 ¹ / ₄ gal	5-gal
cure	1-qt in 1-qt can	1 gal in 1-gal can
resin	1-gal in 1-gal can	4 gal in 5-gal can
Shipping weight (approx)	lb	kg
1 ¹ / ₄ - gal unit		
cure	2.4 lbs	1.1 kg
resin	11.7	5.3 kg
5-gal unit		
cure	9 lbs	4.1 kg
resin	46 lbs	20.9 kg
Shelf life		
resin	1 year from shipping date when stored indoors at 40 to 100°F (4 to 38°C)	
cure	1 year from manufacturing date when stored indoors at 40 to 100°F (4 to 38°C)	

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling, and use.

This product is for industrial/use only. Not for residential use in California.

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.

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Protective Coatings
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