

Amercoat® 185HS

Universal primer

Product Data

- High solids
- VOC compliant
- Can be applied over a wide range of substrates
- Accepts a wide range of topcoats
- Can be topcoated in 4 hours
- No lead or chrome pigments added

Typical Uses

Amercoat 185HS protects structural steel and tank exteriors against weathering and industrial environments. It can be topcoated with a wide range of Ameron topcoats such as epoxies, vinyls, alkyds, polyurethanes and antifouling coatings. Amercoat 185HS can also be used as a tie coat to extend the antifoulant topcoat time over coal tar epoxies or epoxies.

Compatibility

May be applied over most existing coatings including alkyds, epoxies, vinyls, polyurethanes, acrylics. To ensure good adhesion, conduct a compatibility test over clean, intact area or roughen surface with light abrasive blasting or sanding.

Systems Using Amercoat 185HS

1st Coat	2nd Coat	2nd or 3rd Coat
185HS		Amershield™, 385, 450HS, 5401HSA Amerlock® 400
Dimetcote®	185HS*	Amershield™, 450HS, 5401HSA
78HB, 385, 400	185HS** tie coat	70ESP, 279, 698HS, 635

**In some cases a mist coat/full coat technique may be required to prevent application bubbling.*

***When applying Amercoat 185HS over epoxy or coal tar epoxy anticorrosive coatings, apply 185HS while epoxy or coal tar epoxy is still tacky or soft to fingernail pressure. Failure to apply 185HS while epoxy or coal tar epoxy is still tacky may result in poor adhesion between coatings and eventual delamination of antifoulant.*

Physical Data

Finish	Flat	
Color	Red oxide	
Components	1	
Curing mechanism	Solvent release and oxidation	
Volume solids (ASTM D2697 modified)	59% ± 3%	
Dry film thickness per coat	2-3 mils (50-75 microns)	
Coats	1	
Theoretical coverage	ft²/gal	m²/L
1 mil (25 microns)	946	23.2
2.5 mils (65 microns)	379	9.3
VOC	lb/gal	g/L
185HS	3.2	383
185HS thinned (1/2 pt/gal)	3.4	407
Temperature resistance, dry	°F	°C
	200	93
Flash point (SETA)	°F	°C
Amercoat 185HS	98	36
Amercoat 65	78	25
Amercoat 101	145	63
Amercoat 12	2	-17

Application Data

Applied over	Steel, aluminum, galvanizing			
Surface preparation	SSPC-SP2, 6, 7 or 8			
steel	Alodine®, Alumniprep® or			
aluminum	blast lightly			
galvanizing	Galvaprep® or blast lightly			
Method	Airless or conventional spray, brush, roller			
Environmental conditions				
Temperature	°F		°C	
air and surface	35 to 120		2 to 49	
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.				
Drying time (ASTM D1640)	°F/°C			
	90/32	70/21	50/10	32/0
touch (min)	10	20	60	120
through (hrs)	3	6	12	16
recoat				
minimum (hrs)	2	4	8	16
Immersion service				
topcoat (maximum)	6 months			
<i>Roughen surface if maximum recoat time is exceeded.</i>				
Thinner				
below 70°F (21°C)	Amercoat 65			
above 70°F (21°C)	Amercoat 101			
Equipment cleaner	Thinner or Amercoat 12			
Formerly Amercoat 3153A				

Application Data Summary

See Application Instructions for complete information on surface preparation, equipment, environmental conditions and application procedures. To obtain maximum performance, apply as recommended. Adhere to all precautions, conditions and limitations during storage, handling, application and drying periods. For conditions outside the requirements or limitations described, contact your Ameron representative.

Safety Precautions

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

This product is for professional 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.

Shipping Data

Packaging	1- and 5-gal can	
Shipping weight (approx)	lb	kg
1-gal can	13	6
5-gal can	63.5	29
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 photochemically reactive as defined by the South Coast Air Quality Management District's Rule 102 or equivalent regulations.

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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