



Amercoat 383HS S

Fast Cure Polyamide Epoxy Primer/Topcoat

Product Data

- Economical long-term protection with only one coat
- Excellent durability in industrial and marine atmosphere
- Application directly over organic and inorganic zinc primers

Amercoat 383HS S is a high build fast dry polyamide epoxy with high solids content designed for industrial and marine use

Typical Uses

Tank exteriors, structural steel, piping in chemical plants, refineries, pulp and paper mills, offshore platforms and other structures exposed to severe weathering or salt spray.

Chemical Resistance Guide

Environment	Splash and Spillage	Fumes and Weather
Acidic	F	G
Alkaline	E	E
Solvents	E	E
Salt solutions		
Acidic	G	VG
Neutral	E	E
Alkaline	E	E
Water	E	E

F-Fair G-Good E-Excellent VG-Very Good
This chart shows typical resistance of Amercoat 383HS S. Contact your Ameron representative for your specific requirements

Typical Systems

Substrate	Primer	Topcoat
Steel, Inorganic Primers	Dimetcote® Series	383HS S
Steel, Organic Primers	132, 68HS, 383HS 370, 385, 385PA	383HS S

Over zinc rich primers a mist coat may be required to prevent application bubbling

Physical Data

Finish	Low Gloss	
Color	Ameron standard colors See color card	
Components	2	
Volume solids	64%±3%	(ASTM D2697 Modified)
Dry film thickness per coat	5 to 6 mils (125 to 150 microns)	
Theoretical coverage	ft ² /gal	m ² /L
1 mil (25 microns)	1027	25.2
VOC	lb/gal	g/L
unthinned	25	300
thinned(1/2pt/gal)	2.75	330
Flash point (SETA)	°F	°C
383HS S Cure	85	29
383HS S Resin	81	27
Amercoat 12 Cleaner	0	-18
Amercoat 65 Thinner	82	28

Application Data

Applied over	Bare or primed steel	
Surface preparation	Abrasive blast (SP-6 min.)	
Method	Airless or conventional spray	
Mixing ratio	4 parts resin to 1 part cure	
Pot life (hours)70°F/21°C	2	
Environmental conditions		
Temperature	°F	°C
air and surface	40 to 110	5 to 43
Surface temperature must be at least 5° F (3° C) above dew point to prevent condensation.		

Drying time (ASTM D1640) at 5 mils (hours)	
touch	1
through	3
recoat (with itself)	8

Cleaner	Amercoat 12
Thinner	Amercoat 65

Application Procedure

1. Flush equipment with Amercoat 12 or Amercoat 65.
2. Stir both resin solution and curing solution to an even consistency with a power mixer, and then add curing solution to resin and continue mixing for 5 minutes
3. Thinning normally not required, if necessary for workability thin with up to 5% Amercoat 65 per gallon of Amercoat383HS S.
4. Apply a wet coat in even, parallel passes with 50 percent overlap to minimize holidays, bare areas, and pinholes.
5. Normal recommended dry film thickness is 5 mils(125 microns). However if greater thickness is applied in local areas total thickness should not exceed 15 mils (375 microns).
6. Random damaged or bare areas and random pinholes or holidays can be touched up by brush.
7. Clean equipment with Amercoat 12 or Amercoat 65 immediately.

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 vapour 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. Labour, 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.

Shipping Data

Packaging	5 gal units	
Cure	1-gal can	
Resin	5-gal can	
Packaging weight (approx)	lb	kg
Cure	8.5	4
Resin	55	25

Shelf life when stored indoors at 40 to 100° F
(4 to 38° C) One year from shipment date

Improper use and handling of this product can be hazardous to health and cause fire or explosion. Numerical values are subject to normal manufacturing tolerances, color and testing variances. Allow for application losses and surface irregularities.

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 non-conformance 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 gives rise to the claim. In no event shall Ameron be liable for consequential or incidental damages.

R7/2002 supersedes 2/89

Amercoat Canada

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