



Amercoat 383 HS MIO-80

Polyamide Cured Epoxy Topcoat

Product Data/ Application Instructions

- Economical long term protection in only one coat
- Trouble-free application directly over inorganic zinc primers
- Excellent durability in marine atmosphere
- Accepts urethane, polysiloxane or acrylic topcoats where improved gloss and colour retention are required
- Contains 80% micaceous iron oxide on total pigment

Typical Uses

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

Outstanding Characteristics

Amercoat 383 HS MIO-80 is a high build micaceous iron oxide pigmented polyamide epoxy made with a high solids content and designed for industrial and marine use. It works extremely well as a coating over primed steel or concrete.

Typical systems using Amercoat 383 HS MIO-80

Substrate	Primer	Topcoat
Steel, inorganic primers	Dimetcote 6,9 (HS) or 11	Amercoat 383 HS MIO-80
Steel, organic primers	Amercoat 68, 71 or 182 ZP HB	Amercoat 383 HS MIO-80

Where improved gloss and colour retention is desired, Amercoat 383 HS MIO-80 may be topcoated with Amercoat 450S polyurethane, PSX 700

Physical Data

Finish	flat
Colour	gray
Components	2
Mixing ratio (by volume)	
resin	4 parts
cure	1 part
Curing mechanism	solvent release and chemical reaction between components
Volume solids	63% (ASTM-D2697, modified)*
VOC	22% by weight / 370 g/l
Dry film thickness	125 µm / coat
Number of coats	1
Calculated coverage	5.0 m ² /l at 125 µm
Allow for application losses, surface irregularities, etc.	
Specific gravity	1.68 kg/l (mixed product)
Flash points (Closed Cup)	
resin	36°C
cure	33°C
Thinner 91-83	26°C
Thinner 90-58	21°C

* Volume solids is measured in accordance with ASTM-D2697 (modified). Slight variations ±3% may occur due to colour and testing variances

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Resistance Guide

<u>Environment</u>	<u>Suitability of Amercoat 383 HS MIO-80</u>	
	Splash and spillage weathering	Fumes and
Acid	Fair	Good
Alkaline	Excellent	Excellent
Salt solutions		
Acidic	Good	Very Good
Neutral	Excellent	Excellent
Alkaline	Excellent	Excellent
Water	Excellent	Excellent

This chart is only a guide to show typical resistance of Amercoat 383 HS MIO-80. Your PPG representative will help you evaluate your particular corrosion protection needs and make the correct recommendation for your specific requirements.

Application Data Summary

For complete information on procedures, equipment and safety precautions, see application instructions. Like all high performance coatings, Amercoat 383 HS MIO-80 must be applied as recommended to obtain the maximum protection for which this coating is formulated.

SURFACE PREPARATION/EQUIPMENT - Refer to application instructions for Amercoat 383 HS MIO-80 and application instructions for primer and intermediate coat(s).

Application Data

Substrate primed steel
Potlife (at 20°C) 8 hours
Potlife is dependent on temperature and quantities mixed.

Drying times at 20°C and 125 µm
dry to touch 2 hours
dry through 16 hours

Induction time (at 20°C) not applicable

Application methods airless or conventional spray

Thinner Thinner 91-83

Cleaner Thinner 90-58

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Shipping Data

Packaging

resin 16 l in a 20 l can
cure 4 l in a 5 l can

Shipping weight

resin approx. 31.44 kg
cure approx. 4.33 kg

Shelf life

resin/cure 2 years from shipment date when
stored indoors in unopened,
original containers at 5 to 40°C.

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Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods.

Warranty

PPG warrants its products to be free from defects in material and workmanship. PPG's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at PPG's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming products. Any claim under this warranty must be made by Buyer to PPG 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 PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

PPG makes no other warranties concerning the product. No other warranties, whether express, implied or statutory, such as warranties of merchantability or fitness particular purpose, shall apply. In no event shall PPG be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by PPG, whether in its technical literature, or response to specific enquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyer's having requisite skill and know-how in the industry, and therefore it is 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, as its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

PPG's liability on any claim of any kind, including claims based upon PPG'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 PPG be liable for consequential or incidental damages.

Due to PPG's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the PPG Protective & Marine Coatings website at www.ppgpmc.com

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

Condition of Sale

All our transactions are subject to our Terms and Conditions of Sale.