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

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Primer</th>
<th>Topcoat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel, inorganic</td>
<td>Dimetcote 6.9 (HS) or 11</td>
<td>Amercoat 383 HS MIO-80</td>
</tr>
<tr>
<td>Steel, organic</td>
<td>Amercoat 68, 71 or 182 ZP HB</td>
<td>Amercoat 383 HS MIO-80</td>
</tr>
</tbody>
</table>

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 m²/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
Resistance Guide

<table>
<thead>
<tr>
<th>Environment</th>
<th>Suitability of Amercoat 383 HS MIO-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Splash and spillage</td>
<td>Fumes and weathering</td>
</tr>
<tr>
<td>Acid</td>
<td>Fair</td>
</tr>
<tr>
<td>Alkaline</td>
<td>Excellent</td>
</tr>
<tr>
<td>Salt solutions</td>
<td>Good</td>
</tr>
<tr>
<td>Acid</td>
<td>Excellent</td>
</tr>
<tr>
<td>Neutral</td>
<td>Excellent</td>
</tr>
<tr>
<td>Alkaline</td>
<td>Excellent</td>
</tr>
<tr>
<td>Water</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

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
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.
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.

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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.

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