



# Colorflake IMO

Modified Epoxy Resin  
System USCG-164.106/54/0  
Primary Deck Covering

## DESCRIPTION

Colorflake IMO system includes Colorflake IMO Basecoat, a high-solids, modified epoxy resin composition deck covering. The system is a decorative, lightweight easily cleaned surface covering for crews' quarters, wet or dry areas, mess decks, passageways, toilet spaces and galleys. Fluid-applied to form a jointless surface; Colorflake IMO primary deck covering offers substantial protection against corrosion of metal decking and is available in a wide range of pigmented basecoat colors. The pigmented basecoat incorporated with decorative color-flake chips, sealed in a clear epoxy matrix, is the go-to for fast and easy application.

### Theoretical Coverage Rates

#### Recommended *minimum* application thickness

<b>0.012 inches</b>	<b>0.3048 mm</b>	<b>12 mils</b>
125 ft <sup>2</sup> / 11.61 m <sup>2</sup> Per Kit		

#### Recommended *average* application thickness

<b>0.015 inches</b>	<b>0.381 mm</b>	<b>15 mils</b>
100 ft <sup>2</sup> / 9.29 m <sup>2</sup> Per Kit		

#### USCG system *maximum* application thickness (USCG COC – 164.106/54/0)

<b>0.150 inches</b>	<b>4.0 mm</b>	<b>150 mils</b>
10 ft <sup>2</sup> / 0.929 m <sup>2</sup> Per Kit		

#### Available Colors (Refer to the color chart for visual representation)

706 Navy	720 Medium Blue	940 Cardinal Red
304 Sandpiper Beige	431 Bright Gray	402 Dark Gray

#### Kit and Packaging sizes (1 kit = Resin + Hardener)

Item Number	Description	Components	Weight
0441- IMO	Colorflake IMO Pigmented Base Coat Resin	Part. A	9.1 LBS / 4.12 KG
0442-IMO	Colorflake IMO Amber Base Coat Hardener	Part. B	2.6 LBS / 1.17 KG

### Installation Guideline for the complete Colorflake IMO System

**Step 1:** Pour contents of TM Bond Coat TDS-021N onto working surface and spread using a notched squeegee or epoxy roller. **\*Colorflake IMO can also be applied directly over marine grade epoxy primer or Dex-O-Tex TM Grout.**

**Step 2:** Pour contents of Colorflake IMO Base Coat resin onto working surface and spread using a notched hand trowel or notched squeegee. If needed back roll with an epoxy loop roller to smooth out any imperfections. Pour out to desired thickness and check using a thickness gauge to assure consistency. **\*If out-gassing occurs back roll with an epoxy spiked roller\***

**Step 3:** Apply Decor-Flor IMO Sealer TDS-007N onto cured Colorflake IMO Basecoat and spread using a notched squeegee or nap roller. After spreading, back-roll with a nap roller. If desired, broadcast **Colorflake Chips** into Decor-Flor IMO Sealer and then back roll to encapsulate the chips.

**Step 4:** Apply final topcoat sealer TDS-007N - pour mixed material into a painting tray and then apply from the painting try with an epoxy nap roller.

If a **non-skid finish** is needed blend non-skid aggregate into mixed Decor-Flor IMO Sealer then apply.

## Surface Preparation

Metal deck surfaces should be cleaned free of rust, loose scale, and dirt in accordance with SSPC SP11/NACE No 6. Grease and oil should be removed with approved solvents and clean rags in accordance with SSPC SP-1. The resulting surface should be clean and bright and protected against corrosion before Dex-O-Tex materials are applied. Dex-O-Tex Colorflake M IMO may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441, MIL-PRF23636 or to Dex-O-Tex TM Bond Coat and Underlayment Systems. Consult your local Dex-O-Tex Marine Rep. when wood or other deck surfaces are involved.

## Job Site Survey

Measure and record ambient temperature and humidity, surface temperature and the temperature of the material being used. Do not proceed with the application if the conditions are outside the recommended parameters. Inspect materials to be used. Verify material is the proper material and all components and sizes are correct. Inspect all containers and verify a proper factory seal with no signs of damage or leakage. Premix Liquid materials into a smooth homogenous blend before uses.

## Environmental Conditions for Application

All materials are mixed, applied and cured at the job site. Minimum environmental conditions are required to facilitate proper curing and performance of the products. Ensure conditions are in accordance with the following requirements.

<b>Substrate Temp</b>	Min. 50°F	Max. 80°F
<b>Max Relative humidity</b>	Min. <90%	Max. 85%
<b>Ambient Air Temp</b>	Min. 50°F	Max.95°F

<b>Dry to Re-Coat or Use</b>	12Hrs at 65°F	10Hrs at 75°F	08Hrs at 85°F
<b>Max Re-Coat</b>	48Hrs at 65°F	44Hrs at 75°F	40Hrs at 85°F
<b>Cure to Full Service</b>	56Hrs at 65°F	48Hrs at 75°F	44Hrs at 85°F

## Material Disclosure

Materials should be delivered in original packages and containers with seals unbroken and bearing manufacturer's labels containing brand name and directions for storage and mixing with other components. Check materials immediately upon receipt, verify all the correct materials in the correct packaging are accounted for in good condition. Sort the materials and store them in a tempered storage area.

## Applicator Notes

For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature of 65°F-80°F. A warm substrate will decrease the pot life and make the materials sticky. A cooler substrate will lengthen the cure time and may cause a blush of the polymeric resins. Decking surfaces and room temperature of 65°F or slightly higher must be maintained for the duration of the Cure to Full Service time. When mixing the polymeric resin components, be sure to use all the provided resins. The resins are premeasured to the correct ratios. Scrape all the hardener from the container into the resin. Do not turn mixing vessels upside down to drain on the flooring surface. Unmixed resin from the side may produce soft or uncured spots on the flooring surface. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminates onto the unfinished decking surface. Any contaminate could negatively affect the aesthetics of the finished flooring. Good ventilation must be provided during application, particularly in confined spaces. Always obtain, read and observe Manufacturers Safety Data Sheets (**MSDS**) before handling polymeric materials.

### **Warranty Information**

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### **Notes:**