



Application Specification

Colorflake IMO Cosmetic Polymeric Deck Covering

Purpose and Scope

To outline instructions for application of Dex-O-Tex Colorflake “IMO”, a Cosmetic Polymeric interior deck covering that uses colored chips and does not require grinding. This product is manufactured to meet the requirements of IMO FTP Part 2 and Part 6.

Thickness

Nominal 40 mils DFT

Approximate Quantity of Materials Required

To Cover ONE HUNDRED SQ. FT (9.3 sq. Meters)

	<u>Thickness</u> <u>1/16 inch (1.58 mm)</u>
TM Bondcoat..... (A & B Components)	0.33 units
Colorflake “IMO” Basecoat..... (A & B Components)	1.0 units
Colorflake “IMO” Chips..... (25-lb. bag).	0.25 bags
Decor-Flor IMO Sealer (A & B Components)	1.3 units

Equipment Required

- 1/4” or 3/8” Drill
- Jiffy Blade
- Masking Tape
- 1/16” Notched Trowel
- Dex-O-Tex Trowel, 3”x12”, (8 cm x 30 cm)
- Medium/Heavy Nap Mohair Rollers, Sleeves and Handles
- Rubber-Edged Squeegees, (White or Red)
- Sandpaper, No. 80 or No. 100 Grit
- Wallpaper Smoothing Brushes, (natural bristle— not nylon)
- Foxtail Brush

Industrial Vacuum

Approved solvent for cleaning tools

Shoes with golf spikes

Protective gloves and handcream

Approved solvent for cleaning tools

All required Personnel Protective Equipment, gloves, safety glasses, hand cream, etc.

Surface Preparation

METAL: Deck surfaces shall be prepared in accordance with SSPC SP 11, to remove all mill scale, rust, paint, etc., to gray steel or as specified. Surface should be dry and free of rust, dirt, oil or grease.

Decks that have been cleaned and primed with Navy Formula 150 Primer, MIL-DTL-24441, EURONAVY ES301K Primer, or Pre-Construction Primer (PCP, Zinc Silicate), should be prepared light abrasion and solvent wiping in accordance with SSPC SP 1 and allowed to dry completely before application of Colorflake IMO. If any rusting is evident, prepare in accordance with SSPC SP 3 and SP 1; do not proceed with application until approved by supervising authority. For other surfaces consult with Crossfield Products Corp.

Material Temperature

The temperature of the materials should be between 65°F to 80°F (18°C to 29°C) for best mixing and application properties.

Ambient Temperature

For best working properties the ambient room temperature should be between 65°F to 80°F (18°C to 24°C). However, Colorflake IMO can be installed in ambient temperatures as low as 55°F to as high as 100°F. However, workability will be adversely affected. A minimum temperature of 55°F and maximum temperature of 100°F must be maintained during and for at least 24 hours after application for proper curing.



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Substrate Temperature

Deck surface and room temperature of 65°F to 80°F (18°C to 24°C) should be maintained for at least 24 hours prior to and after installation for proper curing.

APPLICATION

Step One - Primer

TM Bondcoat

Mix Ratio: 3A:1B:	Pot Life: 20 - 25 min
Cure Time: 6 hrs – 24 hrs	Recoat Time: 6-48 hrs
Coverage: 300 Sq Ft/gal	DFT: 5 mils dft

3 Parts..... TM Bondcoat Component A
 1 Part..... TM Bondcoat Component B

After the surface to be covered has been properly prepared, pour the contents of the can containing Terrazzo “M” Bondcoat Component B into the can containing Component A. Blend thoroughly with the “Jiffy” blade or other mechanical means for two (2) minutes. Terrazzo “M” Bondcoat has a pot life of approximately 1/2 hour at ambient temperature of 70°F to 75°F (21°C to 24°C). The working time of the material will be lengthened if it is poured out of the mixing pail and either onto the surface and then worked from there, or else poured into a wide receptacle (such as a paint roller tray) and then worked from that.

A unit of Terrazzo “M” Bondcoat will cover approximately 300 sq. ft. (27.87 m2) on steel decking when applied with squeegee.

Apply Terrazzo “M” Bondcoat by trowel, brush, or hand squeegee. Apply only a thin coating. Apply evenly and remove all excess; leave no puddles.

Step Two - Basecoat

Colorflake IMO Basecoat

Mix Ratio: Do Not Split	Pot Life: 20 - 25 min
Cure Time: 12 hrs	Recoat Time: 12 - 48 hrs.
Coverage: 100 Sq. Ft.	DFT: 16 mils

Colorflake IMO is prepackaged in premeasured units, use only full units, Do No Split.

After the surface to be covered has been properly prepared, pour the contents of the can containing Colorflake IMO Basecoat, Component B into the can containing Component A. Blend thoroughly with a Jiffy blade, paint mixer or other mechanical means for two (2) minutes. Colorflake IMO has a pot life of approximately 30 minutes at an ambient temperature of 70°F to 75°F (21°C to 24°C). The working time of the material will be lengthened if it is either poured out of the mixing pail onto the surface and then worked from there, or else poured into a wide receptacle (such as a paint roller tray) and then worked from that.

Spread the blended Basecoat materials evenly over the surface using a 3” x 12” x 1/16” “V” notched trowel. This material will semi-self level in a couple of minutes. Backroll with a spike roller. Allow to cure overnight or at least twelve (12) hours at 65°F-75°F (18°C-24°C) before starting Chipping Application.

A unit of Colorflake IMO Basecoat should cover approximately 100 sq. ft., on steel decking.

For vertical surfaces, apply a thin coat of Basecoat by brush, using masking tape to establish straight line at top of base.

Step Three – Colorflake IMO Chips

After the Colorflake IMO Basecoat has cured for at least twelve (12) hours, mix and apply one (1) coat of Decor-Flor IMO Sealer (A & B Components) as follows;



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Decor-Flor IMO Sealer

Mix Ratio: Do Not Split Pot Life: 20 - 25 min
Cure Time: 12 hrs Recoat Time: 12 - 48 hrs.
Coverage: 160 Sq. Ft. DFT: 10 mils

Colorflake IMO is prepackaged in premeasured units, use only full units, Do No Split.

Pour Decor-Flor IMO Sealer Component B into Component A and blend thoroughly with a Jiffy blade, taking care to not stir air into the mix (do not lift the Jiffy blade out of the combined materials while blending). Pour blended Decor-Flor IMO Sealer into a large paint pan (to lengthen pot life and allow entrained air to escape). Spread the blended materials over the cured Colorflake IMO Basecoat using a medium nap Mohair roller, evenly spreading the coating. As the Sealer coat levels, broadcast the Colorflake chips into the wet material. As an area is “chipped”, it should be “back-rolled” with Decor-Flor IMO Sealer to flatten and “encapsulate” the chips. One unit of Décor-Flor IMO Sealer should cover approximately 160 sq. ft.

For vertical surfaces chips are cast against the wet Decor-Flor IMO Sealer coat and immediately “back-rolled” to flatten and “encapsulate” chips.

Care must be taken to uniformly broadcast the Color Chips into the Decor-Flor IMO Sealer while it is still wet. Shoes with spikes must be used to walk on the Grout/Sealer during this operation. **DO NOT WALK ON AREAS** once they have been covered with Colorflake chips.

One bag (25 lbs.) of Colorflake chips will be Sufficient to “chip” approximately 400 sq. ft. at 40%-60% coverage.

Step Four – Sealer Coat

Decor-Flor IMO Sealer

Mix Ratio: Do Not Split Pot Life: 20 - 25 min
Cure Time: 12 hrs Recoat Time: 12 - 48 hrs.
Coverage: 160 Sq. Ft. DFT: 10 mils

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Pour Decor-Flor IMO Sealer Component B into Component A and blend thoroughly with a Jiffy blade, taking care to not stir air into the mix (do not lift the Jiffy blade out of the combined materials while blending). Pour blended Decor-Flor IMO Sealer into a large paint pan (to lengthen pot life and allow entrained air to escape). Spread the blended materials over the cured Colorflake IMO Basecoat using a medium nap Mohair roller, evenly spreading the coating. One unit of Décor-Flor IMO Sealer should cover approximately 160 sq. ft.

Cautions

1. For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature of 65°F-80°F.
2. The substrate temperature should be between 65°F-80°F. A warm substrate will decrease the pot life and make the material sticky. A cooler substrate will retard the cure and may cause a blush of the polymeric resins. Deck surface and room temperature of 65°F or slightly higher must be maintained for proper curing.
3. When mixing the polymeric resin components, be sure to use all of the provided resins. The resins are pre-measured to the correct ratios. Scrape all of the hardener from the container into the resin.
4. 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.
5. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminate onto the unfinished flooring.
6. Good ventilation must be provided during application, particularly in confined spaces.
7. Always obtain, read and observe Manufacturers Safety Data Sheets (MSDS) before handling polymeric materials. Become familiar with the products on paper before you open the cans.



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General Conditions for Safe Handling of Polymeric Resinous Flooring Systems

1. Read and observe precautionary statements on product labels.
2. Keep containers tightly closed.
3. Keep out of reach of children.
4. For industrial use only. Do not allow application by untrained workers.
5. Remove contaminated clothing and shoes. Wash clothing before re-use.
6. Use of safety goggles and chemical resistant gloves is recommended. Wear only full-length trousers and long-sleeve shirts. Apply protective creams to exposed skin areas.
7. In general, prolonged contact of polymeric resins with skin may cause irritation. Contact with curing agents may cause skin burns. Products may cause skin sensitization or other allergic responses. Avoid all contact with eyes.
8. In case of contact with skin, immediately remove the material with soap and water. Upon completion of work at lunchtime or end of day, carefully check all skin surfaces for any traces of polymeric resins. Wash with soap and water. If wash facilities are not located nearby, establish water-washing station at work site. DO NOT use solvents to remove polymeric resins from skin, as solvents will drive polymeric resins deeper into skin. If redness or skin rash develop, consult a physician.
9. In the event of eye contact, flush immediately with plenty of water for at least 15 minutes. Consult a physician immediately.
10. Mix and apply polymeric resin materials only in conditions of good ventilation. Avoid breathing vapors. A fan to circulate fresh air may be needed. Certain polymeric resin products and/or certain working conditions require use of NIOSH/MSA organic vapor respirator. Consult MSDS.
11. First Aid for inhalation: if effects occur, remove patient to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

If breathing is difficult, give oxygen. Get immediate medical attention.



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