



### Description

SynDeck Ultra Lightweight Deco System is an easy-to-apply, decorative, epoxy flooring system that offers 100% solids and very low odor at less than 1lb/ft<sup>2</sup> at ¼ in (<4.84 kg/m<sup>2</sup> at 6.35mm) for deck underlayment. It is an ultra lightweight system with excellent adhesion and is specifically designed to meet US Navy protocol. SynDeck Ultra Lightweight Deco System can be installed in various colors or flakes to achieve the desired color and texture.

### Components

SynDeck Ultra Lightweight Deco System consists of several individual components:

1. SynDeck Bond Coat SS1222
2. SynDeck Ultra Lightweight Underlayment SS1290FC
3. SynDeck Super Underlayment Sealer SS1259
4. SynDeck IMO Epoxy SS5000 Colors (with decorative paint flake, if desired)
5. SynDeck IMO Epoxy SS5000 Clear Top Coat (with Slip Resistant Additive, if using)

### Applications

SynDeck Ultra Lightweight Deco System is used primarily as a protective coat over metal decks in marine environments where fairing and leveling of the substrate is required. This system exhibits very little to no porosity and can be used in wet spaces or where other contaminants may be evident. Aggregate, such as SynDeck Slip Resistant Additive, can be utilized in the final step, SynDeck IMO Epoxy SS5000 Clear Top Coat, if a slip resistant surface is required.

### Performance/Physical Characteristics

<b>Certifications/Qualifications</b>	Qualified to MIL-PRF-32584 Type IV & Type V, Class 1 & 2, Grade A
<b>VOC</b>	Additives may contain unreported trace amounts of VOC
<b>Coverage Per Kit</b>	See Individual Technical Bulletins for each Product in the System
<b>Shelf Life</b>	See Individual Technical Bulletins for each Product in the System
<b>Mix Ratio by Volume</b>	See Individual Technical Bulletins for each Product in the System
<b>Pot Life</b>	Not Applicable
<b>Dry/Recoat Time</b>	See Individual Technical Bulletins for each Product in the System
<b>Color</b>	Various
<b>Thinning</b>	None required. Acetone or denatured alcohol for clean up
<b>Mixed System Specific Gravity</b>	Not Applicable
<b>Gloss</b>	Not Applicable
<b>Chemical Resistance</b>	Chemical Resistance Information Available on Request

### Packaging Description

\*See Technical Bulletins for each component of the system for the weights, measures and other pertinent details of the individual materials specified in the system.

### Application

#### Deck Preparation and Bond Coat Application

To apply SynDeck Ultra Lightweight Deco System, all visible oil, grease, sludge and any other contaminants must be removed prior to any surface preparation. Surface must be clean, dry, corrosion free and have a 1-3 mils (25-75 microns) surface profile. SynDeck Ultra Lightweight Deco System begins with SynDeck Bond Coat SS1222. See the SynDeck Bond Coat SS1222 technical bulletin for detailed application instructions.



**SynDeck Ultra Lightweight Underlayment SS1290FC Application**

Mix SA1290FC Part A Resin to achieve a homogeneous mixture. Next, pour SB1290FC Part B Hardener into the premixed Part A Resin component, using a mechanical jiffy-type mixer to blend thoroughly. Care should be taken when mixing the blended components with the SC1290FC Part C Aggregate to ensure an even blue color is achieved. There should be no white streaks and no dry or wet spots during the application, which ensures a proper cure. See the SynDeck Ultra Lightweight Underlayment SS1290FC technical bulletin for detailed application instructions.

**SynDeck Super Underlayment Sealer SS1259 Application**

Mix SA1259 Part A Resin component until a homogeneous color mixture is obtained. Next, pour SB1259 Part B Hardener into premixed Part A Resin component and mix using a mechanical jiffy-type mixer for 2-3 minutes. Ensure all material is thoroughly blended. Coat the cured underlayment with a squeegee or magic trowel. See the SynDeck Super Underlayment Sealer SS1259 technical bulletin for detailed application instructions.

**SynDeck IMO Epoxy SS5000 Colors Application (with optional color flakes)**

Mix selected color SA50XX Part A Resin to achieve a homogenous mixture. Next, pour SB50XX Part B Hardener into premixed Part A Resin component and mix using mechanical jiffy-type mixer for 2-3 minutes. Ensure all material is thoroughly blended. Coat underlayment to desired mil thickness and, if using, spread color flakes over the top. See SynDeck IMO Epoxy SS5000 Colors technical bulletin for detailed instructions.

**SynDeck IMO Epoxy SS5000 Clear Top Coat Application**

Mix SA5000 Part A Resin to achieve a homogenous mixture. Next, pour SB5000 Part B Hardener into premixed Part A Resin component and blend using mechanical jiffy-type mixer for 1-2 minutes, avoiding fast, aggressive mixing that would introduce bubbles. If using, add Slip Resistant Additive and slowly mix in. Apply SS5000 Clear Top Coat to desired mil thickness and to cover color flakes, if used. See SynDeck IMO Epoxy SS5000 Clear Top Coat technical bulletin for detailed instructions.

**Environment**

Apply between 50°F–100°F (10°C–38°C) and 5°F (3°C) above dewpoint. At elevated temperatures, product pot life will decrease and a faster cure time will be evident.

**Storage**

50°F–100°F (10°C–38°C)

**Caution**

Use in a well-ventilated area. Do not allow uncured epoxy to be in contact with skin for prolonged periods of time. If contact occurs, wash affected area immediately with soap and warm water. If eye contact occurs, flush with plenty of warm water. See a physician.

**Warranty**

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product that is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss or damage resulting from use of this product.



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