



Epoxy &  
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# TECHNICAL BULLETIN

## SynDeck® Lightweight Polymer DECO System (SS1280)

### Description

SynDeck® Lightweight Polymer DECO System (SS1280) is 100% solids (0-VOC) two-component waterproofing underlayment eliminating the need for an additional water barrier. It is a two or three step system where the SS1280 is applied to fair and level decks. The two-step system applies colored SS1280 and Clear Epoxy Top Coat (SS5000). The three-step system applies SS1280, Epmar SS50XX desired color coat and color flakes, and one coat Epmar SS5000 clear. SS50XX color coats may be mixed to achieve desired decorative result in lieu of flakes. Only one coat is required to mil thickness as required to cover color flakes. Glass beads may be utilized in top coat if a non-slip surface is desired. It has excellent chemical and moisture resistance. SS1280 is an excellent resilient water barrier applied to metal substrates.

### Applications

SynDeck® Lightweight Polymer DECO System (SS1280) is applied to properly prepared metals and utilized as a resilient protective coat over metal decks in marine environments where fairing and leveling of the substrate is required. It is lightweight and is a unique decorative underlayment system in wet spaces or where other contaminants may be evident. SS1280 is an excellent underlayment for surfaces requiring abrasion resistance, resilience, waterproofing, and chemical resistance.

### Performance

<b>SS1280 Volume Solids</b>	100%
<b>SS1280 VOC</b>	Zero
<b>SS1280 Weight</b>	1.55 lbs @ 1/4 inch/ft <sup>2</sup>
<b>SS1280 Coverage</b>	@ 250 mils - 6 ft <sup>2</sup> @ 60 mils - 25 ft <sup>2</sup>
<b>SS1280 Dry Time</b>	8 hours to coat at 70°F
<b>SS5000 Volume Solids</b>	100%
<b>SS5000 VOC</b>	Zero
<b>SS5000 Coverage</b>	@ 6 mils - 250 ft <sup>2</sup> @10 mils - 160 ft <sup>2</sup> @100 mils - 16 ft <sup>2</sup> Recoat at 4 hours at 70°F
<b>Thinning</b>	None. Use Acetone/Alcohol for clean up.

### Application

#### Two-Step Color Application-

- SS1280-18 - Midnight Blue
- SS1280-15 - Navy Blue
- SS1280-09 - Light Grey
- SS1280-56 - Tan

Apply Colored SS1280-XX in accordance with Step 1 on next page. The application of Epoxy (Color) Coating (Step 2 on next page) is not required. Apply Color Flakes and apply Clear Top Coat, Step 3, as noted on next page.



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#### Three-Step Color Coating Application

- 1. DECKS** – To Apply SS1280 all visible oil, grease, sludge, and any other contaminants shall be removed prior to any abrasive surface preparation. Prepare carbon steel in accordance with SSPC-SP11 and achieve 1-2 mil surface profile. Small surfaces may be prepared in accordance with SSPC-SP2 and SSPC-SP3 followed by SSPC-SP1. See SS1280 Tech Bulletin for detailed application instructions.
- 2. SS50XX COLOR/FLAKES** – Mix base component (For Colors) until a homogeneous color mixture is obtained. Next, pour activator into base component and mix using mechanical jiffy mixer for 2-3 minutes. Make sure all material is thoroughly mixed. Coat underlayment at 6-10 mils and spread color chips. See SS50XX tech bulletin for detailed application instructions.
- 3. SS5000 CLEAR TOP COAT** - Mix base component until a homogeneous mixture is obtained. Next, pour activator into base component and mix using mechanical jiffy mixer for 2-3 minutes. Make sure all material is thoroughly mixed. Apply Clear Top Coat to Color Coat to desired mil thickness to cover/hide color flakes. See SS5000 technical bulletin for detailed application instructions.

#### Application Methods

##### Mixing –

Mix “B” component until a homogeneous mixture is obtained. Next, pour “A” component into “B” component and mix slowly (500-1,000 rpm) using a mechanical “jiffy mixer” for 1-2 minutes. In the mixing process, take care not to introduce excessive air into the material and achieve a homogeneous mixture with no swirls.

##### Trowel –

Use top-quality flat or notched trowel. A notched trowel may aid in air release when applying the SS1280 Underlayment.

##### Environment –

Apply between 50°F. – 100°F. and 5°F. above dewpoint. NOTE: At elevated temperatures, the product pot life will decrease and a faster cure time will be evident.

##### Safety –

Surfaces subjected to water, oil or grease may become slippery.

**Contact EPMAR for any additional application information.**

#### 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, which 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.

**Service is part of our formula**

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