

Description

SynDeck Flex IMO SS1285 is a two component, 100% solids, waterproofing underlayment that meets IMO Annex 1 parts 2 and 6 (primary deck coverings) and parts 2 and 5 (floor coverings). It has excellent chemical and moisture resistance and is very low odor. This product is a resilient decking material and water barrier and is formulated to be applied directly to metal and other properly prepared substrates. It is a troweled product, with good flow and leveling properties.

Applications

SynDeck Flex IMO SS1285 is applied to properly prepared decks as a resilient protective coat where fairing and leveling of the substrate is required. It is a one-step process that does not require a bond coat or waterproof membrane. This product is lightweight and is an especially good underlayment in wet spaces.

Performance/ Physical Characteristics

Certifications/Qualifications	Meets Parts 2 and 6 of Annex 1 of the IMO FTP Code for primary deck coverings Parts 2 and 5 of Annex 1 of the IMO FTP Code for floor coverings
VOC	0 g/l Theoretical - Additives may contain unreported trace amounts of VOC
Coverage Per Kit	Small: 33.3-35.7ft ² (3.1-3.3m ²) at 40 mils (1mm) <i>Varies by Color</i> Large: 154.4-165.6ft ² (14.3-15.4m ²) at 40 mils (1mm) <i>Varies by Color</i>
Shelf Life	2 years
Mix Ratio by Volume	Range of 7.0-7.6:1 (A:B) <i>Varies by Color</i>
Pot Life	30 minutes at 70°F (21°C)
Dry/Recoat Time	16 hours at 70°F (21°C)
Color/s	Various
Thinning	None required. Acetone or denatured alcohol for clean up
Mixed System Specific Gravity	Range of 1.22-1.24 <i>Varies by Color</i>
Chemical Resistance	JP-5, AFFF, Sulfuric Acid, Hydrochloric Acid, Oil, Salt Water, Distilled Water

Packaging Description

Small Kit

Total Weight per Kit, varies by color:
8.56 - 9.20lbs (3.88kg - 4.17kg)

SynDeck Flex IMO Part A Resin SA1285

Amount packaged in a premeasured 1 Gallon (3.80L) can, by color:

COLOR	WEIGHT	QUANTITY
Arctic Ice Blue	7.72lbs (3.50kg)	0.74Gal (2.79L)
Bernard Tan	7.70lbs (3.49kg)	0.72Gal (2.74L)
Cadet Silver	7.96lbs (3.61kg)	0.75Gal (2.86L)
Midnight Blue	7.85lbs (3.56kg)	0.75Gal (2.84L)
Pewter Gray	7.94lbs (3.60kg)	0.75Gal (2.85L)
Royal Blue	7.98lbs (3.62kg)	0.76Gal (2.88L)
White	8.34lbs (3.78kg)	0.78Gal (2.97L)

SynDeck Flex IMO Part B Hardener SB1285

Amount Packaged In a Premeasured 1 Pint (0.47L) can:
0.86lbs (0.39kg) 0.10Gal (0.38L)



Large Kit

Total Weight per Kit, varies by color:

39.83 - 42.78lbs (18.07kg - 19.40kg)

SynDeck Flex IMO Part A Resin SA1285

Amount packaged in a premeasured 5 Gallon (18.90L) pail, by color:

<u>COLOR</u>	<u>WEIGHT</u>	<u>QUANTITY</u>
Arctic Ice Blue	35.92lbs (16.29kg)	3.43Gal (12.99L)
Bernard Tan	35.83lbs (16.25kg)	3.37Gal (12.75L)
Cadet Silver	37.03lbs (16.80kg)	3.51Gal (13.29L)
Midnight Blue	36.52lbs (16.56kg)	3.50Gal (13.23L)
Pewter Gray	36.95lbs (16.76kg)	3.50Gal (13.25L)
Royal Blue	37.11lbs (16.83kg)	3.54Gal (13.41L)
White	38.78lbs (17.59kg)	3.65Gal (13.81L)

SynDeck Flex IMO Part B Hardener SB1285

Amount Packaged in a Premeasured 0.50 Gallon (1.90L) can:

4.0lbs (1.80kg) 0.47Gal (1.78L)

Surface Preparation

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 mil (25-75 microns) surface profile.

Mixing

Mix Flex IMO Part A Resin SA1285 until a homogenous mixture is obtained. Next, pour Flex IMO Part B Hardener SB1285 into Part A Resin component and mix slowly (500-1,000 rpm) using a mechanical jiffy-type mixer for 5 minutes. Be sure to scrape the sides of the container. It is very important to achieve a proper mechanical mix. In the mixing process, take care not to introduce excessive air into the material in order to achieve a completely homogenous mixture.

NOTE: To ensure a complete cure, allow for a **10-minute induction time** after mixing. Variances in color by batch may be evident and batch mixing/boxing is a recommended process.

Application Method

Trowel

To build sufficient material, use a top-quality, flat, notched trowel. A notched trowel will aid in air release. Flex IMO may also be applied with a brush or roller in a low-build application. Use of a spiked or "porcupine" roller after application is recommended to help release air.

Environment

Apply between 60°F–100°F (16°C–38°C) and 5°F (3°C) above dewpoint. Please note that curing will be very slow below 70°F (21°C). Pot life and cure time will vary greatly depending upon ambient and substrate temperature conditions.

Storage

50°F-100°F (10°C–38°C)



TECHNICAL BULLETIN
SynDeck® Flex IMO
SS1285

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 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.

Contact EPMAR for any additional application information



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