

# TECHNICAL DATA SHEET

## SYNDECK™ NAVY EPOXY COATING (SS5300)

### SELF-LEVELING EPOXY

SynDeck™ Navy Epoxy Coating (SS5300) has been developed to enhance full system fire management properties, primarily for the NuFlexDeck system. The formulation is an amine-cured epoxy topcoat with very low odor, is user friendly, has excellent adhesion and abrasion resistance, and cures to a resilient high-gloss film. It can be applied over sealed deck underlayments and properly prepared existing epoxy coatings resulting in a new high gloss finish in one or two coats. SynDeck™ Navy Epoxy Coating is self-leveling, has superior gloss and can be applied at lower temperatures (50°F/10°C) with no blushing. This product is a clear high gloss topcoat, and is dry for foot traffic overnight. SynDeck™ Navy Epoxy Coating meets requirements and has qualifications/certifications for IMO and Def. Stan. (as part of a system).

### Application

SynDeck™ Navy Epoxy Coating (SS5300) can be applied as a clear topcoat to properly prepared substrates and marine deckings that are subject to continuous abrasion service. SynDeck™ Anti-Slip Additive (SS5220 or SS5250) can be integrated to improve slip resistance values. Decorative flake can also be partially broadcast into the applied wet epoxy to give a range of unique finishes.

### Packaging Description

#### SynDeck™ Navy Epoxy Coating Part A Resin SA5300:

4.6lbs (2.1kg) / 0.48Gal (1.9L) of product in a 1 Gallon (3.8L) container

#### SynDeck™ Navy Epoxy Coating Part B Resin SB5300:

2.0lbs (0.9kg) / 0.24Gal (0.9L) in a 1 Quart (0.96L) container

### Certification & Qualifications

- Meets parts 2 and 5 of annex 1 of the IMO FTP Code 2010 for Floor Finish
- Meets UK Def Stan 07-247 Annex A, Category A1 (NuFlexDeck system)
- Meets UK Def Stan 07-247 Annex B, Category A2 (NuFlexDeckM system)

### Benefits

- 100% solids, 0g/L VOC
- Self-leveling
- High gloss

### Surface Preparation

**Direct to metal:** This product is not designed for direct to metal application without a primer.

**Existing coatings and/or after re-coat window:** Light abrasion to achieve a 1-3 mil (25-75 micron) surface profile. Surface must be solvent cleaned, dry, and free of contaminants.

### Mixing

Using a mechanical jiffy mixer, mix Part A Resin until a homogenous mixture is obtained. Next, pour Part B Hardener into the premixed Part A Resin. Blend the two components together for 1-2 minutes at a slow to medium speed. Take care not to introduce excessive air into the material. Scrape sides and bottom of container during the mixing process to ensure a completely homogenous mixture.

# SynDeck™

Marine Underlayment and Deck Coatings

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### Properties

Property	Typical Value	Unit
Colors	Clear	
VOC	0	g/L
Mix Ratio	2:1 (A:B)	volume
Solids	100	%
Specific Gravity	1.15	
Gloss	>85	Gloss units
Abrasion	68	mg loss
Thinning	None required. Do not thin	
Coverage at 6–10 mils (0.15–0.25mm) WFT	120–200   11.1–18.6	ft²   m²
Pot Life	30	minutes
Dry time – Tack Free	8–10	hours
Dry time – Light Traffic	10–12	hours
Dry time – Heavy Traffic	36–48	hours
Dry time – Full Cure	5–7	days
Dry time – Recoat Time	Within 24 hours after Tack Free	hours
Clean Up	MEK, Acetone, Denatured Alcohol	
Shelf Life	24 months from date of manufacture	

Product tested at 70°F (20°C) and 50% RH. Pot life, dry time, and recoat times will depend on temperature, humidity and other conditions relative to the environment.



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### Application Methods

#### Brush

Use top quality brush for best film properties

#### Roller

Use Lambswool or similar cover with phenolic core, 1/4 - 3/8" (6-10mm) nap thickness

#### Squeegee

Use high quality rubber squeegee

#### Application note:

Pot life is dependent on the size of mixed material. Do not mix more material than can be applied within 30 minutes.

### Clean Up

Clean hands and skin with warm water and mild soap.

Clean tools and equipment with MEK, denatured alcohol, or acetone.

### Environment

Substrate temperature should be between 50 - 90°F (10 - 32°C). The temperature of the substrate should exceed the "dew point" by 37°F (3°C) during application and hardening. Temperatures should not fall below 41°F (5°C) in the 24 hours after application. Ambient humidity should be between 30 and 70% RH during application and cure.

### Storage

Store between 50 - 100°F (10 - 38°C). Keep in a cool, well-ventilated area, away from direct sunlight and heat. Store in a segregated and safe area, avoiding all possible sources of ignition. To maintain stated shelf life and the performance of the product the resins must be kept in original sealed containers at ambient temperature at all times. Avoid low temperature exposure, which may induce adverse effects typical of epoxy materials.

### Safety

Refer to SDS for the detailed instruction for safe handling. 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.

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose.SS5300

# SynDeck™