



TECHNICAL BULLETIN
SynDeck® Polyaspartic High Solids Coating - Clear SS3950

Description

SynDeck Polyaspartic High Solids Coating - Clear SS3950 is a two component, high solids polyaspartic coating. This product is mild in odor and exhibits excellent adhesion, abrasion resistance, chemical resistance and hot tire resistance. SynDeck SS3950 also has a UV resistant formula that extends the life of the epoxy coatings underneath. This product has rapid setting properties that allow for fast return to service time. SynDeck SS3950 utilizes the best available high solids polyaspartic technology for resistance against atmospheric and chemical exposures.

Applications

SynDeck Polyaspartic High Solids Coating - Clear SS3950 can be applied over properly prepared epoxy surfaces in locations such as service areas, galleys, stairways and other areas which require a quick-curing, resilient, chemically resistant protective coating.

Performance/Physical Characteristics

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| Certifications/Qualifications | Meets Parts 2 and 5, Annex 1 of the IMO FTP Code for primary deck coverings Meets Parts 2 and 5, Annex 1 of the IMO FTP Code for floor finish (SOLAS) |
| VOC | <50 g/l Theoretical |
| Coverage Per Kit | 320ft ² -520ft ² (29.7m ² -48.3m ²) at 6-10 mils (0.15-0.25mm) wet film thickness |
| Shelf Life | 12 months from date of manufacture |
| Mix Ratio by Volume | 1:1 (A:B) |
| Pot Life | 30 minutes at 70° F (21° C), 30% RH |
| Dry/Recoat Time | Dry to Touch: 2-3 hours Light Foot Traffic: 4-6 hours Heavy Traffic: 24-48 hours Full Chemical and Physical Resistance Cure: 5-7 days Recoat Window: Within 24 hours after product reaches Dry to Touch state Note: Product tested at 70°F and 30% RH. <i>Dry and recoat times will depend on temperature, humidity and other conditions relative to the environment.</i> |
| Color | Clear |
| Thinning | None required. Acetone, denatured alcohol or MEK for clean up |
| Mixed System Specific Gravity | 1.08 |
| Gloss | High |
| Chemical Resistance | Excellent |

Packaging Description

Weight per kit:

18.14lbs (8.23kg)

SynDeck Polyaspartic High Solids Coating - Clear SS3950 Part A Hardener contains:

9.47lbs (4.30kg) / 1Gal (3.79L) of product in a premeasured 1 Gallon (3.79L) container

SynDeck Polyaspartic High Solids Coating - Clear SS3950 Part B Resin contains:

8.66lbs (3.93kg) / 1Gal (3.79L) in a premeasured 1 Gallon (3.79L) container

Surface Preparation

All visible oil, grease, sludge and any other contaminants must be removed prior to any surface preparation. Surface must be clean, dry and corrosion free. Prepare surface in accordance with SSPC-SP7 Brush-OFF Blast cleaning or use Blastrac for long-term adhesion and to achieve a 60-80 grit surface profile.



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Mixing

Using a mechanical jiffy-type mixer, mix SB3950 at a slow speed (300-600rpm) for 1-2 minutes. Next, pour Part B contents into a separate container of sufficient size to contain contents of both Part A and Part B. Pour Part A Hardener SA3950 component into the premixed Part B Resin component. Mix carefully at slow to medium speed (500-800rpm) for 2-3 minutes to obtain a homogenous mixture. Avoid fast, aggressive mixing which introduces air bubbles. Ensure all material is thoroughly blended.

Application Methods

Brush Use top quality brush for best film properties

Roller Use lambswool or similar cover with a phenolic core, 3/8" (9.5mm) nap thickness

***NOTE:** *Pot life is dependent on the quantity of material mixed. For the roller and brush applications, do not mix more material than can be applied within 30 minutes. Low humidity conditions might extend cure time and pot life. High humidity conditions might shorten cure time and pot life.*

Clean up

Use acetone, denatured alcohol or MEK for clean up.

Environment

Substrate temperature should be between 50°F-90°F (10°C-32°C). The temperature of the substrate should not 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%-70%RH during application and cure.

Storage

Store between 50°F-100°F (10°C-38°C). Store in a cool, well-ventilated area, away from direct sun and heat. Store in a segregated, safe area, avoiding all possible sources of ignition.

Safety

Care should be taken when using this product. Contents are flammable. Ensure no sources of ignition are in proximity to the product prior to application. Turn off any pilot lights, water heaters, or any other auto-ignition sources in the area. Do not smoke around the product while applying or while it is drying. During application, use proper protective equipment including, but not limited to: protective eyewear, proper respirator and protective gloves. Ensure work spaces are well ventilated. Refer to the Technical Bulletin for technical information. Refer to product label and SDS carefully for more detailed safety information prior to use or handling.

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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