



Epoxy &  
Polyurethane  
Manufacturing and  
Research

**TECHNICAL BULLETIN**  
**SynDeck® Waterproof Membrane**  
**SS2102**

TECHNICAL BULLETIN

**Description**

SynDeck® Waterproof Membrane (SS2102) is a 100% solids, two component waterproofing product meeting hydrostatic pressure requirements of ANSI 118.10 as tested in accordance to ASTM D 4068. SynDeck® Waterproof Membrane (SS2102) has excellent chemical and moisture resistance. SS2102 is typically specified as a resilient water barrier applied to steel, composites, and sealed wood surfaces. SS2102 is a user-friendly product which has good leveling properties and is 0-VOC.

**Applications**

SynDeck® Waterproof Membrane (SS2102) is applied to properly prepared metals and utilized as a resilient protective coat over steel floors in marine environments. When applying over a substrate other than steel, a sealer coat is required. Contact your representative for further information.

**Performance**

<b>VOC</b>	0 g/l
<b>Chemical Resistance</b>	Splash and spillage of aromatic hydrocarbons, ketones, dilute organic acids, alkalis, spray paint and salt spray.
<b>Excellent Leveling &amp; Flow</b>	Brush, Roll, Squeegee & Spray Applications
<b>Hardness Shore A</b>	90
<b>O-T Bend Adhesion</b>	Pass ASTM D-4145-90
<b>Hydrostatic Pressure</b>	Meets requirements of ANSI 118.10 at 10 mils minimum

**Physical Characteristics**

<b>Volume Solids</b>	100%
<b>Packaging</b>	2 Gallon Kits
<b>Flash Point</b>	>200°F. – clear and pigmented
<b>Gloss</b>	Medium – clear and pigmented
<b>Mix Ratio</b>	1:1 (A:B) by volume.
<b>Pot Life</b>	20 minutes at 70°F, 50% RH
<b>Dry Time</b>	@70°F. 50% RH 5 hours - Touch 14 hours - Foot traffic 24 hours - Heavy traffic 72 hours - Full cure
<b>Recoat Intervals</b>	70°F – min. 6-hours, max. 24-hours. 90°F – min. 3-hours, max. 12-hours.
<b>Film Thickness</b>	10-40 mils per coat
<b>Coverage</b>	40-160 ft <sup>2</sup> /gallon per coat
<b>Thinning</b>	None Required. Use Acetone for clean up.
<b>Primers</b>	Self priming
<b>Colors</b>	Gray
<b>Shelf Life</b>	1 year from date of manufacture



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#### **Packaging Description**

Resin SA2102 pre-measured 1 gallon can.  
Hardener SB2102 pre-measured 1 gallon can.

#### **Surface Preparation**

**Metal** – All visible oil, grease, sludge, and any other contaminants shall be removed prior to any abrasive surface preparation. The profile should be a minimum of 60-80 grit. Surface must be clean, dry and corrosion free.

**Wood** – Wood needs to be properly sealed prior to application.

#### **Application Methods**

Brush – Use top quality synthetic bristle brush for best film properties.

Roller – Use short (6mm) or medium (13mm) pile, solvent-resistant roller.

**Environment** – Apply between 50°F-100°F and 5° above dew point.

**Storage** >50°F

#### **Caution**

Product characteristics will change in high or low temperatures or high humidity conditions.  
**CONTAINS POLYOL AND ISOCYANATE RESINS! DO NOT USE IF YOU HAVE AN ADVERSE REACTION TO THESE CHEMICALS!**

**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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