



# PRODUCT DATA SHEET

## Bridge Deck Membrane Top Coat

### PRODUCT DESCRIPTION

Bridge Deck Membrane Top Coat is a slow setting, 100% solids, two-component polymer product. Bridge Deck Membrane Top Coat is used as a waterproof membrane for protection against typical corrosion conditions that exist on many rail and DOT structures. Bridge Deck Membrane Top Coat is also used on applications requiring an aggregated topcoat. The slower setting membrane allows aggregate to be broadcast into the membrane before initial set. Bridge Deck Membrane Top Coat can be applied in temperatures down to -20°F without effect on setup time or curing, and can be applied at specified thickness in one continuous application.

### USES

Bridge Deck Membrane Top Coat is a superior high strength elastomeric coating designed for protection against water, salts, chemicals, and other corrosive effects on bridge and elevated deck structures.

### ADVANTAGES

- Environmentally Friendly, 100% Solids, No VOC's.
- Cures in seconds, even in temperatures well below freezing.
- Full system passes ASTM C1305 for 1/8" crack bridging (80 mils base membrane + 40 mils Top Coat).
- Meets AREMA Chapter 8, Part 29.9.10 for Cold Liquid-Applied Elastomeric Membranes.
- Provides a continuous seamless waterproofing membrane.
- Can be used on irregular surfaces.
- Can accept asphalt overlays within one hour.
- Can accept ballast within one hour.
- Made in America.

### PHYSICAL PROPERTIES

Solids Content		100%
Gel Time		<90 Seconds
Tack Free		>2 Minutes
Open to Light Traffic		1 Hour
Shore Hardness	ASTM D 2240	>40D
Elongation	ASTM D 638	>250%
Tensile Strength	ASTM D 638	>2,000 psi
Tear Strength (Die C)	ASTM D 624	>390 pli
Low Temperature Crack Bridging (80 mils BDM + 40 mils Top Coat with Aggregate 1/8" Opening at -15°F)	ASTM C 1305	Pass after 40 cycles

*The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.*

### PACKAGING

- **Five Hundred Thirty Gallon Kit:** 265 gallons of 'A' side and 265 gallons of 'B' side. Tote containers filled by weight, volume is closely approximate.
- **One Hundred Ten Gallon Kit:** 55 gallons of 'A' side and 55 gallons of 'B' side. Drum containers filled by weight, volume is closely approximate.

## MIXING, SURFACE PREPARATION, AND APPLICATION

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Refer to Material Processing & Handling Information and Installation Procedure documents.

## SHELF LIFE

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One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

## STORAGE

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Store in a clean, dry, protected location between 55°F and 95°F. Protect from direct sunlight. Avoid freezing.

## SAFETY

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Not R.C.R.A. or DOT regulated. Read Material Safety Data Sheet before using. Seal container tightly after use to prevent introduction of moisture-laden air.

## WARRANTY

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**Bridge Preservation** will refund the price or replace, at its election, product it finds to be defective provided the product has been stored and used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special, or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

## Appendix A – Document Version Control

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Rationale</b>	<b>Approval</b>
1.0d	8/31/2023	Jonathan Haydu	First draft	
1.0	9/6/2023	Jonathan Haydu	Issued	Jonathan Haydu James McCarthy