



## PRODUCT DESCRIPTION

Bridge Preservation Integrated Ballast Mat is a spray applied layered protection course designed to provide seamless, high build protection of the waterproofing system. Bridge Preservation Integrated Ballast Mat is designed to work in combination with Bridge Deck Membrane waterproofing, creating a seamless waterproof membrane and secondary ballast protection course for use in demanding applications that require additional protection against ballast impact. Bridge Preservation Integrated Ballast Mat is a field applied, multi layered ballast protection course that incorporates proprietary filler and resin to achieve a high build protective finish.

## USES

Bridge Preservation Integrated Ballast Mat is a superior high strength, high build, elastomeric ballast protection course designed for both concrete and steel rail bridge structures.

## ADVANTAGES

- Provides a seamless ballast protection course
- Can be applied at varying thickness to provide slope on flat bridge decks
- Provides additional waterproofing protection
- Cures in minutes, even in temperatures well below freezing
- Can be used on irregular surfaces
- Environmentally Friendly, 100% Solids, No VOC's.
- Made in America.

## PHYSICAL PROPERTIES

Solids Content		100%
Gel Time		<90 Seconds
Tack Free		>2 Minutes
Ballast Loading		1 Hour
Standard Thickness		125 mils - 250 mils
<i>(Can vary depending on application)</i>		
Resistance to Penetration	ASTM D 1883 <i>(Modified per AREMA Ch. 8, Part 29.10.3.3)</i>	Pass
North American Ballast Impact Test	9.2 - 28.1 kips, 2,000,000 Cycles	Pass
Approximate Weight per ft <sup>2</sup> at 250 mils (¼ inch)		~1.17 lbs.
Approximate Weight per ft <sup>2</sup> at 500 mils (½ inch)		~2.33 lbs.
Approximate Weight per ft <sup>2</sup> at 750 mils (¾ inch)		~3.50 lbs.
Approximate Weight per ft <sup>2</sup> at 1,000 mils (1 inch)		~4.65 lbs.

*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

- One Hundred Six Gallon Kit: 53 gallons of 'A' side and 53 gallons of 'B' side. Drum containers filled by weight, volume is closely approximate.
- 10 Gallon Kit: 5 gallons of 'A' side and 5 gallons of 'B' side.

## MIXING

Machine mix only. Use 1:1 plural component heated pump with impingement mix spray guns. Contact Bridge Preservation for further information.

## SURFACE PREPARATION

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Bridge Preservation Integrated Ballast Mat is designed to be applied directly over the Bridge Deck Membrane Waterproofing, and can be applied without any surface preparation to the existing waterproofing membrane, provided the application is completed within 12 of initial placement of waterproofing. Consult Bridge Preservation for applications of the Integrated Ballast Mat over waterproofing that is beyond the 12-hour overcoat window.

## APPLICATION

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Regard Bridge Preservation specifications for Bridge Deck Membrane for detailed preparation and installation procedures.

## 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.