



# PRODUCT DATA SHEET

## Bridge Deck Multi-Use Primer

### PRODUCT DESCRIPTION

Bridge Deck Concrete Primer is a specially formulated two-component polymer product that can also be thinned with solvent for better penetration or coverage. Bridge Deck Multi-Use Primer can be used on both metal and masonry substrates. Bridge Deck Multi-Use Primer is a medium setting 1:1 mix ratio that can be mixed and applied by roller or pumped through airless spray equipment.

### USES

Bridge Deck Multi-Use Primer may be used with all Bridge Preservation rapid curing sealants and spray coatings systems. It is designed for use in both interior and exterior concrete or metal coating applications.

### ADVANTAGES

- Ultra low viscosity will penetrate concrete for permanent bond.
- Seals concrete surfaces helping to eliminate out-gassing of membrane topcoats.
- Cures in 1-4 hours depending on temperature and weather conditions.
- Will cure to Zero (0)°F. Cure time will be extended at lower temperatures.
- Can be applied by airless spray pump, or mixed by hand and applied by roller.

### PHYSICAL PROPERTIES

Solids Content	Unless Thinned	100%
Shore A Hardness	ASTM D 2240	85
Elongation	ASTM D 412	50-60%
Tensile Strength (PSI)	ASTM D 412	1,000
Working Time	Temperature Dependent	30 Minutes
Gel Time	Temperature Dependent	45 Minutes
Tack Free Time	Temperature Dependent	1-4 Hours

### PACKAGING

- 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.
- 10 Gallon Kit: 5 gallons of 'A' side and 5 gallons of 'B' side.
- Two Gallon Kit: 1 gallon can 'A' side and 1 gallon can 'B' side.

### MIXING

- Airless Sprayer: Mix A and B components 1:1 by ratio. Product may be thinned with Acetone or MEK as needed. Mix thoroughly with mechanical mixer for 30 seconds before spraying.
- Hand Mix: Measure and mix only enough material to ensure placement of mixed material within 30 minutes. Mix thoroughly with mechanical mixer for 30 seconds before pouring to ensure complete mix of A and B components. Product may be thinned with Acetone or MEK as needed.

## SURFACE PREPARATION

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- **Concrete Surfaces:** Provide clean, sound concrete substrate. Repair spalls and other defects with approved patching material. Prepare concrete surfaces to SSPC-SP13/NACE No. 6 Surface Preparation of Concrete.
- **Metal Surfaces:** Provide clean, sound metal substrate. Sand blast metal to remove scaling and other contamination and provide a suitable 3-5 mil blast profile. Prepare metal surfaces to SSPC-SP10 Near White Blast or better. Test prepared surfaces using Elcometer adhesion testing (ASTM D 4541).

## APPLICATION

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### Concrete Substrates:

- Prime cracked areas greater than 1/16" with neat Bridge Deck Concrete Primer material prior to repair. Expansion joints, control joints, and moving cracks should be filled with appropriate sealant or filler then isolated with bond breaker.
- Install at a rate of 160 to 200 square feet per gallon depending on porosity and surface texture of substrate.
- Allow primer to dry to touch prior to installing repair.
- Avoid applying material in thickness greater than 15 mils (107 square feet per gallon). Contact Bridge Preservation for further information.

### Metal Substrates:

- Install at a rate of 400 to 600 square feet per gallon depending on blast profile of metal surface.
- Allow primer to dry to touch prior to installing repair.
- Avoid applying material in thickness greater than 15 mils (107 square feet per gallon). Contact Bridge Preservation for further information.

## SHELF LIFE

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

## 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 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.