



# Bridge Deck Concrete Primer

## PRODUCT DESCRIPTION

Bridge Deck Concrete Primer is a specially formulated two-component polymer product. In its basic low viscosity formulation Bridge Deck Concrete Primer will penetrate concrete substrates. Bridge Deck Concrete Primer is a fast setting 1:1 mix ratio that can be mixed by hand or pumped through plural component equipment.

## USES

Bridge Deck Concrete 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 other porous masonry 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 15-30 minutes when fast recoat windows are required.
- Will cure to Zero (0)° F. Cure time will be extended at lower temperatures.
- Can be applied by plural component pump, or mixed by hand applied by squeegee or roller.

## PHYSICAL PROPERTIES

Color		Amber/White
Solids Content, %		89
Elongation		6%
Shore D Hardness	ASTM D2240	71
Tensile Strength, psi	ASTM D638	4,500
Compressive Strength, neat	ASTM D638	3,800
Compressive Strength, sand filled	ASTM D695	4,450
Shrinkage	ASTM D695	None
Exudation		None
Bond Strength, psi, concrete		1200
Viscosity, cps, neat, 77° F		25
VOC, g/l	ASTM D4541	2.3
Pot Life @ 77° F		5 min
Tack Free @ 77° F		15 min
Final Cure @ 77° F		20 min

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

## SURFACE PREPARATION

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. Test prepared surface using Elcometer adhesion testing (ASTM D 4541).

## MIXING

- Machine Mix: Use 1:1 plural component pump with static mix or impingement mix spray guns. Process below 1,000 psi to avoid excessive atomization of materials.
- Hand Mix: Measure and mix only enough material to insure placement of mixed material within 2 minutes. Mix with mechanical mixer for 30 seconds to insure complete mix of A and B components.

## APPLICATION

- Prime cracked areas greater than 1/16 inch 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.
- When mixing by hand, mix material in small quantities and install immediately.
- 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 thicknesses greater than 20 mils (80 square feet per gallon). Consult Bridge Preservation further information.

## SHELF LIFE

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

## SAFETY

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

**Bridge Preservation** will refund the price of 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.