



PRODUCT DATA SHEET

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 and applied by squeegee or roller.

PHYSICAL PROPERTIES

Color		Amber/White
Solids Content		89%
Elongation		6%
Bond Strength (PSI; Concrete)	ASTM D 7234	>300 psi or failure in concrete
Viscosity (CPS; Neat; 77°F)		25
Pot Life @ 77°F		5 Minutes
Tack Free @ 77°F		15 Minutes
Final Cure @ 77°F		20 Minutes
Shore D Hardness	ASTM D 2240	71
Tensile Strength	ASTM D 638	4,500
Compressive Strength (Neat)	ASTM D 638	3,800
Compressive Strength (Sand Filled)	ASTM D 695	4,450
Shrinkage		None
VOC (g/l)		2.3

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.

Bond strength to concrete is performed on laboratory prepared substrates. The existing condition of project specific concrete will vary and may produce results lower than 300 psi. Refer to contract document requirements and/or PPG's published documentation for additional information.

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

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

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 and achieve a Concrete Surface Profile of at least 3 measured using ICRI CSP chips. For concrete surfaces at or below 32°F, additional preparation and/or testing may be required to ensure proper adhesion. Contact Bridge Preservation for further information.

APPLICATION

- 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.
- When mixing by hand, mix material in small quantities and install immediately.
- Install at a rate of 130 to 200 square feet per gallon depending on porosity and surface texture of substrate.
- Allow primer to go tack free to touch prior to installing repair.
- Avoid applying material in thickness greater than 20 mils (80 square feet per gallon). Contact Bridge Preservation for further information.

SHELF LIFE

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

STORAGE

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

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 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.