



PRODUCT DATA SHEET

Bridge Deck Aliphatic Coating 75

PRODUCT DESCRIPTION

Bridge Deck Aliphatic Coating is a 75% solids, color stable coating that displays virtually no odors and has a high moisture tolerance. Bridge Deck Aliphatic Coating is color stable and displays excellent UV weathering characteristics. Bridge Deck Aliphatic Coating can also be applied directly to concrete and steel surfaces, or over other Bridge Preservation products to provide long-term color stability when required, and can be applied in temperatures as low as -20°F. When fully cured, Bridge Deck Aliphatic Coating provides a highly abrasion resistant, high-gloss, smooth finish.

USES

Bridge Deck Aliphatic Coating is a high strength, abrasion resistant and color stable plural component system designed to provide superior long-term protection to concrete and steel surfaces. This product has been specifically formulated as a topcoat for existing or new concrete or steel, such as piers, pier caps, railings and pedestrian walkways, providing excellent resistance against water and chloride intrusion.

ADVANTAGES

- Fast Cure Times
- Low Moisture Sensitivity
- High Tensile Strength
- Color Stable
- Low Odor
- Excellent UV Stability
- Cures in Low Temperatures (-20°F)
- Made in America

PHYSICAL PROPERTIES

Solids Content		79.3%
Gel Time		20-30 Minutes
Tack Free		45-75 Minutes
Open to Foot Traffic		3-5 Hours
Return to Service		16-24 Hours
Shore Hardness	ASTM D 2240	>55D
Elongation	ASTM D 638	>2.5%
Tensile Strength	ASTM D 638	>3,500 psi
Tear Strength, Die C	ASTM D 624	>350 pli
Taber Abrasion, mg. wt. loss (1,000 g, 1,000 revs, C-17)	ASTM D 4060	60-90
Taber Abrasion, mg. wt. loss (1,000 g, 1,000 revs, H-18)	ASTM D 4060	250-350
Gloss, 60 Spec	ASTM D 523	90+

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

- **3 Gallon Kit:** 1.5 gallons of 'A' side and 1.5 gallons of 'B' side.
- **6 Gallon Kit:** 3 gallons of 'A' side and 3 gallons of 'B' side.
- **10 Gallon Kit:** 5 gallons of 'A' side and 5 gallons of 'B' side.
- 55 Gallon Drum Kits Available

MIXING

Pre-Mix: Before application, pre-mix 'A' side and 'B' side separately in individual containers.

Mixing: Mix ratio is **1 Part 'A' to 1 Part 'B'**. Measure equal parts of 'A' Side and 'B' Side and pour into separate container with sufficient space to mix without spilling. Mix thoroughly by hand with stir stick for two minutes until product becomes clear. Be sure to scrape sides and bottom of mixing container so no unmixed material remains. Do not use drill mixer.

Thinning: If desired, add 5%-10% MEK or acetone to thin, and stir. Always use stir stick and scrape sides and bottom of mixing container.

SURFACE PREPARATION

- 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 and achieve a Concrete Surface Profile of at least 3 measured using ICRI CSP chips.
- 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/NACE No. 2 Near White Blast Cleaning and achieve a 3-5 mil blast profile measured using a Surface Profile Gage.
- Galvanized Metal Surfaces: Provide a clean, sound metal substrate. Prepare surfaces in accordance with SSPC-SP1 Solvent Cleaning. Then prepare solvent cleaned galvanized steel surfaces in accordance with SSPC-SP7/NACE No. 4 Brush-Off Blast Cleaning.

APPLICATION

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

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.