



PRODUCT DESCRIPTION

Bridge Deck Grout is a specifically formulated, 100% solids epoxy concrete restoration and rebuild product designed to repair heavily damaged concrete or to reconstruct areas where high strength, chemical resistance and quicker turn-around time is required.

USES

Bridge Deck Grout is ideal for areas where traditional cementitious products are inadequate due to hydration requirements, length of cure time, lack of chemical resistance, or lower compression and flexural strength. Bridge Deck Grout can be formed, molded or shaped, making it ideal for vertical installation, reconstruction of key features, and repair of damaged concrete or new construction. Bridge Deck Grout is ideal in applications where concrete leveling is required.

ADVANTAGES

- Environmentally Friendly, 100% Solids, No VOC's.
- Non-Shrink Grout
- Compatible with all Bridge Preservation products.
- Can be used on irregular surfaces.
- High compressive and flexural strength.
- Made in America.

PHYSICAL PROPERTIES

Mix Ratio	Volume	3 Part A : 1 Part B
Solids Content	Weight	100%
Compressive Strength (PSI)	ASTM C-579	8,000-10,000
Tensile Strength (PSI)	ASTM C-307	4,000-5,000
Flexural Strength (PSI)	ASTM C-580	6,000-7,000
Coefficient of Thermal Expansion	ASTM C-531	20 x 10 ⁻⁶ in/in°F
Density (lbs./cu ft)		125
Working Time	22°C (72°F) – 24°C (75°F)	20-30 Minutes
Cure Time (Floor Traffic)	22°C (72°F) – 24°C (75°F)	8-12 Hours
Chemical Service	22°C (72°F) – 24°C (75°F)	24-36 Hours

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

Kit	Liquid Quantity	Aggregate Quantity	Coverage Rate @ 1/8" Thick
1 Gallon Kit	1 gallon	1 – 50 lb. bag	40 ft ²
20 Gallon Kit	20 gallons	20 – 50 lb. bags	800 ft ²

MIXING

Combine units of 'A' and 'B' liquids into a provided pail and mix with Jiffy mixer until fully blended. Add aggregate and mix until all particles are wet and uniformly blended. Additional aggregate may be added if a thicker consistency is required.

SURFACE PREPARATION

Concrete Surfaces: Provide clean sound concrete substrate. Prepare concrete surfaces to SSPC SP13/NACE No 6. Surface Preparation of Concrete.

APPLICATION

Temperature Considerations:

- Throughout the application process the surface temperature should remain above 50°F.
- Store all materials (parts 'A' & 'B' and aggregate) at 60°F – 80°F.

Surface Preparation of Concrete:

- Surface must be free of dirt, dust, oil, grease, chemical and other contaminants immediately prior to applying Bridge Deck Grout.
- New concrete should be cured a minimum of 28 days.
- Concrete must be structurally sound and must not contain any accelerators or curing compounds.
- Remove all surface laitance and exposed sound concrete. Abrasive cleaning recommended.
- Any existing coating should be completely removed.
- Honeycomb and form voids on vertical surfaces may be filled using Bridge Deck Grout.

Priming:

- Bridge Deck Grout requires the use of a primer. This step is necessary to achieve adhesion between the substrate and the blended aggregate filled epoxy being applied.
- Utilize Bridge Deck Concrete Primer or Bridge Deck Multi-Use Primer. Refer to the respective data sheets for application instructions.

Mixing and Application:

Required Tools: Jiffy type mixer & trowel

1. Combine units of 'A' and 'B' liquid into the provided pail and mix with jiffy type mixer.
2. Add aggregate and mix until all particles are wet and composition is uniform.
3. Be aware that the entire quantity of provided aggregate may not all be required as viscosity will vary according to temperature.

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 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.