



PRODUCT DESCRIPTION

BD Concrete Sealer WB is a color stable, waterborne coating used for coating or sealing. It may be applied directly to properly prepared concrete and steel surfaces, or over other Bridge Preservation products to provide long-term color stability when required. When fully cured, BD Concrete Sealer WB provides excellent UV weathering characteristics and is abrasion resistant and chemical resistant.

USES

BD Concrete Sealer WB is an abrasion resistant and color stable coating system designed to enhance gloss and provide additional UV resistance and stability to other Bridge Preservation products.

ADVANTAGES

- No VOCs
- Non Toxic
- Easy to apply
- Low odor
- High gloss
- Superior color & gloss retention
- Made in America

PHYSICAL PROPERTIES

VOC	Theoretical	Zero
Solids Content	Theoretical	62%
Pot Life		1 Hour
<i>@ 77°F with recommended distilled water reduction</i>		
Tack Free	ASTM D1640	1-2 Hours
Tensile Strength	ASTM D 638	4,400 psi, minimum
Elongation	ASTM D 638	3%, minimum
Tear Strength	ASTM D 624	150 pli, minimum
Taber Abrasion, mg. wt. loss (1,000 g, 1,000 revs, H-18)	ASTM D 4060	260
Taber Abrasion, mg. wt. loss (1,000 g, 1,000 revs, C-17)	ASTM D 4060	25

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

- 0.75 Gallon Kit: 1 part 'A' : 2 parts 'B' (clear)
- 1 Gallon Kit: 1 part 'A' : 3 parts 'B' (pigmented)
- 3 Gallon Kit: 1 part 'A' : 2 parts 'B' (clear)
- 4 Gallon Kit: 1 part 'A' : 3 parts 'B' (pigmented)

MIXING

For Clear Material: Drill mix Part 'A' with Part 'B' for 3 to 5 minutes. Gradually add in and mix the desired volume of distilled water to the combined 'A' and 'B' mixture to achieve a workable viscosity. Mix thoroughly. Mixed material is white in color but dries clear.

For Pigmented Material: Drill mix Part 'A' with Part 'B' for 3 to 5 minutes. Gradually add in and mix the desired volume of distilled water to the combined 'A' and 'B' mixture to achieve a workable viscosity. Mix thoroughly.

Note: It is recommended that distilled water be used when lowering product viscosity. If available tap water is used, contaminants may affect the final desired color. Overall pot life is dependent upon temperature of distilled water that is added, and ambient temperature of the environment. For optimum gloss retention and durability performance, pigmented layers should be coated with a final layer of clear coating.

SURFACE PREPARATION

Surface should be clean, dry and sound. Clean substrate of oils, grease and other contaminants. Curing/sealing agents must be removed before application

APPLICATION RECOMMENDATIONS

BD Concrete Sealer WB may be applied by airless spray, hopper gun, brush, or roller. Expect longer dry times between coats if multiple applications made. Follow recoat window of 4 hours. Apply at recommended spread rate listed below. For moderate to heavy duty use applications, two coats are recommended, followed by waiting 24 - 48 hours before being placed back into service. Not to be used for constant immersion environments.

Surface and ambient temperatures must be 40°F and rising. Do not apply to frozen concrete or high moisture content substrates, as this will affect coating adhesion and long term performance. Low temperature applications will extend drying time.

SPREAD RATE PER GALLON (THEORETICAL)

Added Distilled Water	Wet Film Thickness	Dry Film Thickness	Spread Rate per ft ²
20%	5	3	275
30%	5	3	255
50%	5	3	220

SHELF LIFE

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

TRANSPORT

This material is sensitive to cold temperatures. Material shall be maintained above 45°F (7°C) during transport for material preservation.

SAFETY

Not R.C.R.A. or DOT regulated. Read 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.