



## PRODUCT DESCRIPTION

BD Zinc Rich Primer is a specially formulated three-component polymer product that is designed to provide superior protection against corrosion on steel substrates in highly concentrated salt environments. BD Zinc Rich Primer must be thinned with solvent for application. BD Zinc Rich Primer can be used on all metal substrates. BD Zinc Rich Primer can be mixed and applied through airless spray equipment.

## USES

BD Zinc Rich Primer may be used with all Bridge Preservation rapid curing sealants and spray coatings systems, and is designed for use in both interior and exterior metal coating applications.

## ADVANTAGES

- Provides superior corrosion protection for steel substrates
- High strength primer for permanent bond
- Can accept membrane overcoating in 1-4 hours depending on temperature and weather conditions
- Will cure to 35°F. Cure time will be extended at lower temperatures
- Should be applied by airless spray pump

## PHYSICAL PROPERTIES

Working Time (Pot Life)	Temperature Dependent	2.5 hours*
Gel Time	Temperature Dependent	18 – 25 minutes
Tack Free Time	Temperature Dependent	~60 minutes
Salt Fog Test (7 day Rust Creepage “c”)	ASTM D1654-08	0
Salt Fog Test (30 day Rust Creepage “c”)	ASTM D1654-08	0.3

*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.*

\*Final mixed product should be agitated every 15 minutes to ensure uniform distribution of zinc

## PACKAGING

- 1 Gallon Kits, containing three containers:
  - A gallon metal container labeled **A-Side**
  - A metal quart container labeled **B-Side**
  - A metal pint container labeled **C-Side**
  - One (1) wooden stir stick

## MIXING

Airless Sprayer: Mix per instructions. Product must be thinned with clean, dry Acetone. Mix thoroughly with mechanical mixer for 30 seconds before spraying.

## SURFACE PREPARATION

- 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 Near White Blast or better. Test prepared surfaces using Elcometer adhesion testing (ASTM D 4541).

## APPLICATION

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### **Metal Substrates:**

- Install at a rate of 400 to 600 square feet per gallon depending on blast profile of metal surface.
- Allow primer to dry to touch prior to installing repair.
- Avoid applying material in thickness greater than 5 mils. Contact Bridge Preservation for further information.
- Primer should be coated with Bridge Preservation™ waterproofing membranes within 6 hours of placement.
- If primer is left exposed for longer than 6 hours after application, the primer surface should be wiped with an approved solvent, then treated with BDM Surface Activator prior to application of any Bridge Preservation™ waterproofing membrane.

## SHELF LIFE

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

## SAFETY

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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

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**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.