

## PRODUCT DESCRIPTION

BondTite 1503 Primer is a unique three-component, Water-Reducible epoxy Primer and Bond Enhancer. This is accomplished by superior penetration and adhesion to the concrete slab. The coating's uses include the priming of floors, manholes, sumps, and other concrete areas. BondTite 1503 has also shown the ability to reduced moisture transmission in concrete slabs. Although, BondTite 1503 is not guaranteed as a moisture mitigation coating.

## APPLICATION DATA SUMMARY

See Application Instructions for complete information on surface preparation, equipment, environmental conditions, application procedures, and safety precautions. For conditions outside the specifications or limitations described, contact Wolverine Coatings Corporation for details.

## SURFACE PREPARATION

Coating performance is directly related to the quality and degree of surface preparation. Prior to overcoating, all surfaces must be clean, dry, undamaged, and free of all contaminants. For more specific information, consult the surface preparation section contained in the Application instructions.

## SAFETY PRECAUTIONS

Read the Safety Data sheet carefully before use. Safety precautions in the SDS should be carefully followed during storage, handling and use. Improper use and handling can be hazardous to health and cause fire or explosion. For further information, please refer to our "Epoxy Resin Safety Handling Guide."

## APPLICATION DATA

Substrate:	Blasted Concrete
Surface Preparation	
Steel	Not Recommended
Concrete	ASTM D4258
Application Method:	Airless, Backpack Sprayer, Squeegee, Roller or Brush; Must be Backrolled
Gel Time:	>60 minutes (125g at 77°F)
Induction Period:	None

## APPLICATION DATA (CONTINUED)

Mixing: BondTite 1503 is packaged in pre-measured containers consisting of Resin Part A and Hardener Part B which must be mixed together before use. The mixing of this product is critical and should be carefully followed. Use a mechanical mixer (such as a drill) with a proper mixing attachment (jiffy mixer). Begin by mixing Part B (Larger Container) for 30 seconds. Add Part A (Small Container) to Part B under agitation (while you are mixing). Mix the combined parts for 3 minutes. This 3 minute mixing time is critical as the 2 components must react for 3 minutes prior to the addition of Part C (water). This mixture will turn a milky white with a slight green tint. After the 3 minute mixing cycle, add ~25% (1/4) of Part C (water) while the mixer continues to mix, the water must be at least 50°F. After the first ~25% addition of water, mix for 60 seconds with high agitation. Add the second ~25% of water and mix for 45 seconds. Add the last ~50% of water and mix an additional 30 seconds or until uniformly mixed.

Mix Ratio: 0.8 Parts "A" to 1.0 Parts "B" to 4.3 Parts "C" (Water) by Volume

Environmental conditions	
Temperature Range:	50-120°F
Max Relative Humidity:	N/A
Surface Temperature:	50-120°F
Curing time (ASTM D1640) at 50-90% RH	

Curing Time			
	90°F	70°F	50°F
Tack Free	NT	2 hr	NT
Overcoat (Old Concrete)	NT	6 hr	NT
Through	NT	12 hr	NT

Thinner	Water
Equipment Cleaner	Water followed by MEK

## PHYSICAL DATA

Finish:	Matte
Color:	Clear
Components:	Three
Curing Mechanism:	Chemical reaction
Volume Solids:	22.5% (Mixed Kit)
Dry Film Thickness:	3-4 mils (minimum)
Total Coats:	1 or more
Theoretical Coverage (depends on porosity)	
400-500 Ft <sup>2</sup> / Gal	
VOC:	0 (Zero)
Temperature limits:	200°F
Adhesion (on Concrete):	>350 psi
Flashpoint (SETA):	N/A

## SHIPPING DATA

Packaging:	1 Gal Kit, 3 Gal Kit, 5 Gal Kit
Shelf Life (indoors @ 40-100oF):	12 Months

## GENERAL LIMITATIONS

Do not apply over a wet surface.
Epoxies have limited ultraviolet resistance which may cause them to chalk, lose gloss, and / or discolor over time.
Touchup or repair of an existing coating is never aesthetically perfect.
Depending on mix design and curing / drying conditions, minimum age of concrete prior to application is 28 days.
BondTite 1503 is a low viscosity product designed to deeply penetrate concrete. It is not designed for thick film or topcoat applications. BondTite 1503 should only be used as a primer or concrete sealer. If a smooth clear finish is desired, please contact your Wolverine Coatings Representative for recommendations.

## SAFETY

For your safety, all required personal protection equipment should be used when operating machinery or handling chemicals. Concrete dust is a source of silica particles and other hazardous materials that can cause silicosis and other illnesses. Proper safety equipment and methods are the responsibility of the installation company, general contractor, and/or facility owner.

## WARRANTY

Wolverine Coatings Corporation warrants its products to be free from defects in material and workmanship. Wolverine Coatings Corporation's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Wolverine Coatings option, to either replacement of products not conforming to this Warranty or credit to the Buyer's account in the invoiced amount of the nonconforming products. Any claim under this warranty must be made by the Buyer to Wolverine Coatings in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the ship date, whichever is earlier. Buyer's failure to notify Wolverine Coatings of such nonconformance as required herein shall bar Buyer from recovery under this warranty.

Wolverine Coatings makes no other warranties about the product. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply.

Any recommendation or suggestion relating to the use of the products made by Wolverine Coatings, whether in its technical literature, or in response to specific inquiry or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedure of use, or extrapolation of data may cause unsatisfactory results.

## LIMITATION OF LIABILITY

Wolverine Coatings Corporation's liability on any claims based upon Wolverine Coatings Corporation's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or parts thereof which give rise to the claim. In no event shall Wolverine Coatings Corporation be liable for consequential or incidental damages.

## LITERATURE REVISION - TDS: BondTite 1503 - Rev. 200810

Published literature is subject to change without notice. Wolverine Coatings Corporation is constantly engaged in the testing of existing formulations, the development of new innovative technologies, and the evaluation of the latest practices. The latest literature should always be consulted at [www.wolverinecoatings.com](http://www.wolverinecoatings.com).



### Wolverine Coatings Corporation

5969 Highway 221 | Roebuck, SC 29376

Tel: (864) 587-3144 | Fax: (864) 587-3147

e-mail: [sales@WolverineCoatings.com](mailto:sales@WolverineCoatings.com)

website: [www.WolverineCoatings.com](http://www.WolverineCoatings.com)