

PRODUCT DESCRIPTION

BondTite 1501 Primer is a unique three-component, Water-Reducible epoxy Primer. It can be applied to properly designed green concrete well within the typical 28 day curing period. When applied to concrete within 12 hours of the pour, it eliminates the need to shotblast and allows coating of the concrete the next day with a properly specified coating system. This is accomplished by superior penetration and adhesion to the 'green' concrete slab. The coating's uses include the priming of floors, manholes, sumps, and other areas until overcoating can be completed. In addition, BondTite 1501 will seal and promote hydration of the fresh concrete.

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:	'Green' Concrete (8-12 Hrs.) * Concrete must be hard enough to walk on
Surface Preparation	
Steel	Not Recommended
Concrete (old)	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 1501 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 (Hardener) for 30 seconds. Add Part A (Resin) 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. 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 Parts "B" to 3.8 Parts "C" (Water) by Volume

Environmental conditions	
Temperature Range:	50-120°F
Max Relative Humidity:	N/A
Surface Temperature:	50-120°F

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:	24.75% (Mixed Kit)
Dry Film Thickness:	3-4 mils (minimum)
Total Coats:	1 or more

Theoretical Coverage (depends on porosity)
100-200 SqFt / 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 @ 40-100 °F):	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.
BondTite 1501 is a low viscosity product designed to deeply penetrate concrete. It is not designed for thick film or topcoat applications. BondTite 1501 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 1501 - Rev. 200818

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.



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