



BondTite 1105

(Formerly ChemShield 1105)
PENETRATION PRIMER
Technical Data Bulletin

PRODUCT DESCRIPTION

BondTite 1105 is a 100% solids, two-component epoxy primer which exhibits excellent adhesion and sealing properties on steel, dry or damp concrete, Expanded Polystyrene, and other foam type products. The coating's uses include the priming of manholes, sumps, and other difficult-to-dry areas until overcoating can be completed. BT 1105 provides an excellent bonding surface for Wolverine Coatings Corporation products.

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 Material Safety Data sheet carefully before use. Safety precautions in the MSDS should be carefully followed during storage, handling and use. Improper use and handling can be hazardous to health and cause fire or explosion.

PHYSICAL DATA

Finish	Glossy	
Color	Clear or Translucent White, Light Gray	
Components	Two	
Curing Mechanism	Chemical reaction	
Volume Solids	100%	
Dry Film Thickness	5 mils (minimum)	
Total Coats	1 or more	
Theoretical Coverage	<u>Ft²/lb</u>	<u>M²/kilos</u>
5 Mils	325	7.8
10 Mils	160	3.9
(Depends on Porosity)		
VOC	N/A	
Temperature limits	200°F (100°C)	
Adhesion (on Concrete)	The bondstrength is so high that the concrete will break underneath the coating usually pulling up a chunk of concrete!	
Flashpoint (SETA)	N/A	

APPLICATION DATA

Substrate:	Blasted concrete, steel
Surface Preparation	
Steel	SSPC-SP5 Abrasive Blast
Concrete	ASTM D4258
Application Method:	Airless or conventional spray, Roller or brush

APPLICATION DATA (CONT.)

Pot Life	45 minutes
Induction Period	None
Mixing:	Primers are packaged in pre-measured containers consisting of Resin Part A and Hardener Part B which must be mixed together before use.
Mix Ratios	2 Parts “A” to 1 Parts “B” (By Volume)

Environmental conditions

Temperature Range	50-120°F
Max Relative Humidity	NA
Surface Temperature	50-120°F
Curing time	
	<u>90°F</u> <u>70°F</u> <u>50°F</u>
Tack Free	2 hr 4 hr 6 hr
Overcoat	8hr 12 hr 24hr
Through	24hr 36hr 72hr
Max Chemical resistance	7 – 10 days
Thinner	None
Equipment Cleaner	MEK

SHIPPING DATA

Packaging	1, 4, 15, 150 gal units
Shelf Life (indoors @ 40-100°F)	12 Months

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 delivery 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 express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Wolverine Coatings be liable for consequential or incidental damages.

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 part thereof which give rise to the claim. In no event shall Wolverine Coatings Corporation be liable for consequential or incidental damages.