

PRODUCT DESCRIPTION

IntegraFlex 1980 Crack Bridging Membrane is a 100% solids two-component polymer hybrid that will bridge severely cracked concrete surfaces. IntegraFlex 1980 has excellent flexibility and dimensional stability with exceptional adhesion characteristics. IntegraFlex 1980 provides an excellent bonding surface for other 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 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:	Primed concrete or Blasted steel
Surface Preparation	
Steel	SSPC-SP5 Abrasive Blast
Concrete	ASTM D4258

Application Method:	Roller, Brush, Notched Trowel
Gel Time:	7-10 minutes (125g at 77°F / 50% RH)
Induction Period:	None
Mixing: IntegraFlex 1980 is packaged in pre-measured containers consisting of Resin (Part A) and Hardener (Part B) which must be mixed together before use. Improper or inadequate mixing can cause isolated soft spots and subsequent failure.	
Mix Ratio:	2 Parts "A" to 1 Part "B" (By Volume)

APPLICATION DATA (CONTINUED)

Environmental conditions			
Temperature Range:		50-120°F	
Max Relative Humidity:		85%	
Surface Temperature:		50-120°F	
Curing Time (@ 50% RH)			
	90°F	70°F	50°F
Tack Free	NT	2-4 hr	NT
Overcoat	NT	3-8 hr	NT
Through	NT	6-12 hr	NT
Thinner		None	
Equipment Cleaner		MEK	

PHYSICAL DATA

Finish:	Low Gloss
Color:	Ultra Light Gray
Components:	Two
Curing Mechanism:	Chemical reaction
Volume Solids:	100%
Dry Film Thickness:	20-125 (or more) mils
Total Coats:	1 or more

Theoretical Coverage (2 Gallon Kit)	
Coverage:	Linear Feet
20 Mils:	80
80 Mils:	20

PHYSICAL DATA (CONTINUED)

VOC:	None
Temperature limits:	200oF (100°C)
Adhesion (on concrete):	Excellent, 420 psi (concrete failure)
Viscosity (mixed): (@ 77°F / 50% RH)	40,000-60,000 cps
Elongation:	100% at 70°F
Flexural Strength:	2,782 psi (ASTM D-790)
Tensile Strength:	3,289 psi (ASTM D-412)
Flashpoint (SETA):	>200°F

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.

SHIPPING DATA

Packaging:	3 Gal Kits
Shelf Life (indoors @ 40-100oF):	12 Months

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: IntegraFlex 1980 - Rev. 250203

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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