

PRODUCT DESCRIPTION

MetallicFX 1111 is a 100% solids, three-component Acrylic Monomer Modified Epoxy polymer designed to exhibit excellent adhesion and sealing properties on steel or concrete. The addition of acrylic monomer yields increased UV stability without the strong odor associated with MMA acrylic monomer flooring.

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, steel
Surface Preparation	
Steel	SSPC-SP5 Abrasive Blast
Concrete	ASTM D4258
Application Method:	Roller or brush
Gel Time: :	50 minutes (125g @77°F)
Induction Period:	None
Mixing: MetallicFX 1111 is packaged in pre-measured containers consisting of Resin Part A and Hardener Part B which must be mixed together before use.	
Mix Ratio 1 Part "A" to 1 Part "B" (By Volume)	

Environmental conditions	
Temperature Range:	50-120°F
Max Relative Humidity:	80%
Surface Temperature:	50-120°F

APPLICATION DATA (CONTINUED)

Curing Time			
	90°F	77°F	55°F
Tack Free	6 Hours	8 Hours	24-36 Hours
Overcoat	20-24 Hours	20-24 Hours	48-72 Hours
Through	>48 Hours	>48 Hours	7 Days
Max Chemical resistance	4 – 7 days		
Thinner	None		
Equipment Cleaner	MEK		

PHYSICAL DATA

Finish:	High Gloss
Color:	Clear
Components:	Three
Curing Mechanism:	Chemical reaction
Volume Solids:	100%
Dry Film Thickness:	5 mils (clearcoat) to ½"
Total Coats:	1 or more
Elongation:	>56%
Hardness:	55 Shore D
Impact Resistance:	Blot (>88 ft/lbs.
Abrasion Resistance (taber):	56 mg
Bond Strength (concrete):	Beyond limits of concrete
Bond Strength (steel):	1,000 psi

PHYSICAL DATA (CONTINUED)

Theoretical Coverage:	ft ² /Gallon
5 Mils:	320*
10 Mils:	160*
*Depends on Porosity, please see Technical Application Bulletins for decorative broadcast, trowel, or slurry systems.	
VOC:	None
Temperature limits:	200°F (100°C)
Adhesion (on Concrete):	>500psi (Concrete Breaks)
Flashpoint (SETA):	N/A

SHIPPING DATA

Packaging :	2G, 4G, 10G, 105G (G=gal units)
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.
Depending on mix design and curing / drying conditions, minimum age of concrete prior to application is 28 days.

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: MetallicFX 1110 - Rev. 230713

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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