

PRODUCT DESCRIPTION

ChemShield 1836 is a sprayable, 100% solids, amine cured novolac epoxy lining which exhibits excellent resistance to organic solvents, caustic environments, and dilute acidic exposures. The integration of flakeglass reinforcements also gives the coating excellent resistance to permeation and very good abrasion resistance. ChemShield 1836 is well suited for sewage pipe, treatment plants, petroleum refining and storage, and chemical plants using mineral acids such as phosphoric acid plants, hydro metallurgy, and metal plating facilities.

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, Fiberglass
Surface Preparation	
Steel	SSPC-SP5 Abrasive Blast
Concrete	ASTM D4258
Application Method:	Single or Plural Component Airless Spray System (min. 45:1 compression ratio with 1/2 inch hoses), roller, or brush
Pot Life:	50-70 Minutes at 25°C
Mixing:	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)

APPLICATION DATA (CONTINUED)

Temperature Range:	45 - 120°F
Max Relative Humidity:	90% at 70°F
Surface Temperature:	<5°F above dew point
Drying Time at 50-90% RH	90°F: 4 Hrs 70°F: 6 Hrs 50°F: 9 Hrs
Max Chemical Resistance:	7 Days
Thinner:	None
Equipment Cleaner:	GF #9

PHYSICAL DATA

PROPERTY	VALUE	TEST METHOD
Finish:	High Gloss	ASTM D523
Color:	Pigmented	ASTM D1544
Components:	Two	N/A
Curing Mechanism:	Chemical Reaction	N/A
Volume Solids:	100%	N/A
Dry Film Thickness:	20-60 Mils per coat	N/A
Total Coats:	2 minimum	N/A
Theoretical Coverage (SqFt/ Gal):	20 Mils: 7.2 40 Mils: 3.6	N/A
VOC:	N/A	ASTM D3960
Temperature Limits:	200°F (wet) 350°F (dry)	N/A
Flashpoint (SETA):	N/A	N/A

SHIPPING DATA

Packaging:	1 Gallon Kits, 3 Gallon Kits, 15 Gallon Kits
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STORAGE

Shelf Life (indoors @ 40-100°F):	1 year from date of manufacture (factory sealed)
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Do not open containers until ready to use. Keep sealed containers in a cool, dry place. Avoid contact with sources of extreme hot or cold temperatures as well as direct sunlight. Containers should be stored at 65°F to 95°F. Shelf life is one (1) year if exposed to the above conditions.

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: ChemShield 1836 - Rev. 230719

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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