

PRODUCT DESCRIPTION

ChemShield 1787 is a sprayable, 100% solids, high functionality, A.H.C. (Advanced Hybrid Cycloaliphatic) Phenolic Novolac Epoxy lining which exhibits excellent resistance to organic solvents, caustic environments, and acidic exposures. ChemShield 1787 is well suited for sewage pipe, treatment plants, petroleum refining and storage, and chemical plants.

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 over-coating, 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:	Properly prepared and primed Concrete, Steel, Fiberglass
Surface Preparation	
Steel:	SSPC-SP5 Abrasive Blast
Concrete:	Properly prepared and primed
<i>*Contact our Technical Services for an exact recommendation</i>	
Application Method:	Airless Spray or Squeegee, Brush, And Roll
<i>* Contact Wolverine Coatings' Technical Services for an exact recommendation.</i>	
Mixing:	Mix separate components thoroughly before adding together.
Mix Ratio:	2 Parts "A" to 1 Part "B" (By Volume)
Thinner:	None
Equipment Cleaner:	Solvent
Environmental conditions	
Temperature Range:	50-120°F
Max Relative Humidity:	90% at 70°F
Surface Temperature:	>5°F above dew point

APPLICATION DATA (CONTINUED)

Curing Schedule (@ 50% RH) (ASTM D5895)			
	50°F	70°F	90°F
Light Foot Traffic:	9hr	6hr	4hr
Gel Time: (@ 77°F / 50% RH)	20 minutes		
Return to Service:	48 hours		
Recoat Window (@77°F / 50% RH)			
Min:	4hr		
Max:	24hr		

PHYSICAL DATA

Finish:	Gloss
Color:	Pigmented
Components:	Two
Curing Mechanism:	Chemical reaction
Volume Solids:	100%
Dry Film Thickness:	20-30 Mils per Coat
Total Coats:	2 Minimum (Depends on Application)
Theoretical Coverage	
Mils	Ft ² / Gal
20 Mils:	80
30 Mils:	54
<i>* Does not account for loss, waste, or substrate irregularities.</i>	
VOC:	N/A
Temperature limits:	200°F (wet), 350°F (dry)
Flashpoint (SETA):	N/A

SHIPPING DATA

Packaging:	3 Gallon Kits, 15 Gallon Kits
Shelf Life (indoors @ 40-100°F):	12 Months

CHEMSHIELD 1787 CHEMICAL RESISTANCE GUIDE

Chemical Type	Chemical	Immersion Service	Secondary Containment	Splash & Spill	Not Tested	Not Recommended
Acids, Inorganic	10% Hydrochloric	✓	✓	✓		
	30% Hydrochloric	✓	✓	✓		
	10% Nitric			✓		
	50% Phosphoric				✓	
	37% Sulfuric	✓	✓	✓		
	98% Sulfuric	✓	✓	✓		
Acids, Organic	10% Acetic					✓
	10% Citric			✓		
	Oleic		✓	✓		
Alkalis	10% Ammonium Hydroxide	✓	✓	✓		
	50% Sodium Hydroxide	✓	✓	✓		
Solvents	Ethylene Glycol	✓	✓	✓		
	Isopropanol	✓	✓	✓		
	Methanol		✓	✓		
	d-Limonene				✓	
	Jet Fuel	✓	✓	✓		
	Gasoline	✓	✓	✓		
	Mineral Spirits		✓	✓		
	Xylene		✓	✓		
	Methylene Chloride					✓
	MEK		✓	✓		
	PMA		✓	✓		

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 1787 - Rev. 250130

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.



Wolverine Coatings Corporation

5969 Highway 221 | Roebuck, SC 29376

Tel: (864) 587-3144 | Fax: (864) 587-3147

e-mail: Sales@WolverineCoatings.com

website: www.WolverineCoatings.com