

PRODUCT DESCRIPTION

LiquaTile 1187 is a 100% solids, thick film Advanced Hybrid lining system designed for general use as a protective lining for swimming pools, aquatic environments, domestic waste water facilities, and other mildly aggressive immersion chemical environments. LiquaTile 1187 excellent resistance to these environments while also displaying outstanding mechanical properties, such as adhesion and abrasion resistance. LiquaTile 1187 was designed to be a high density (low porosity) lining system. It is a natural choice for aquatic environments as well as USDA & FDA Inspected facilities, clean rooms and other areas where a smooth easy to clean surface is desired.

APPLICATION DATA SUMMARY

LiquaTile 1187 is mixed on site and applied with a roller or airless spray to create a smooth, glossy low porosity surface. In can be spray applied between 20 to 125 mils in a single coat. LiquaTile 1187 is available in several formulations that are tailored to the desired application thickness of a particular job.

- LiquaTile 1187-030 Roller or Spray applied to 30 mils
- LiquaTile 1187-060 Spray applied up to 60 mils/coat
- LiquaTile 1187-125 Spray applied up to 125 mils

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 and primed concrete, steel
Surface Preparation	
Steel	SSPC-SP5 Abrasive Blast
Concrete	ASTM D4258
Application Method:	Airless spray, roller, brush, notched trowel
Pot Life (@77°F / 50% RH):	30 minutes
Induction Period:	None
Mix Ratio:	2 Parts "A" to 1 Part "B" (By Volume)
Environmental conditions	
Temperature Range:	40-120°F
Max Relative Humidity:	90% at 70°F
Surface Temperature:	>5°F above dew point

APPLICATION DATA (CONTINUED)

Drying Time (ASTM D1640) at 50-90% RH			
	95°F	77°F	50°F
To Touch	1-2 Hours	2-3 Hours	7.5 Hours
Max Chemical resistance		7 days	
Thinner		None	
Equipment Cleaner		MEK	
Recoat Window: LiquaTile 1187 over LiquaTile 1187			
Minimum Recoat Time: (@77°F / 50% RH)		8 Hours	
Maximum Recoat Time: (@77°F / 50% RH):		48 Hours	

PHYSICAL DATA

Finish:	Glossy
Color:	Pigmented
Components:	Two
Curing Mechanism:	Chemical reaction
Volume Solids:	100%
Dry Film Thickness:	30-125 mils
Total Coats:	1 or more
Elongation:	>56% (ASTM D1737)
Hardness:	68-72 Shore D (ASTM D2240)
Bond Strength (Steel):	838 psi (No Primer)
Abrasion Resistance:	35-40mg (ASTM D4060) CS-17, 1,000 cycles, 1,000g
Theoretical Coverage:	SqFt / Gal
1 Mil:	1604
10 Mils:	160
Coefficient of Friction (ASTM D-2047 or C-1028)	
Dry>0.80 Wet>0.60	
VOC:	N/A
Temperature limits:	350°F (Dry) 200°F (Wet)
Flashpoint (SETA):	N/A

Chemical Resistance

I - Immersion/Continuous Service	Xylene	C	Hydrochloric acid, 10%	C
C - Secondary Containment (72 Hr)	1,1,1 Trichloroethane	N	Sodium hydroxide, 50%	C
S - Splash/Spill	MEK	S	Sulfuric acid, 10%	S
N - Not Recommended	Methanol	C	Sulfuric acid, 70%	N
	Ethyl alcohol	C	Battery acid	S
	Skydrol	C	Vinegar (5% Acetic acid)	S
	Sodium Hydroxide, 10%	C	Water	I

Only Splash/Spill results are listed here since primers are over-coated with a chemical resistant topcoat to resist particular chemicals. Consult Wolverine Coatings Corporation for specific recommendations when chemicals are present.

SHIPPING DATA

Packaging:	3 Quart, 3 Gallon
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: LiquaTile 1187 - Rev. 250122

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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