

PRODUCT DESCRIPTION

LiquaTile 1142 is a 100% solids, AHC (Advanced Hybrid Cycloaliphatic) amine-cured self leveling epoxy floor coating which exhibits excellent resistance to organic solvents, caustic environments, and dilute acidic exposures while also displaying outstanding mechanical properties, such as adhesion and abrasion resistance. It is a full ceramic version of LiquaTile 1184. LiquaTile Epoxy Floor Coatings are designed for concrete service such as warehouse flooring, machine pads, pharmaceutical processing areas, USDA inspected facilities, and chemical processing areas. LiquaTile 1142 is available in four different formulations:

LiquaTile 1142 UVR (Increased UV Resistance)

LiquaTile 1142 UVR-FC (UVR with Faster Cure)

LiquaTile 1142 CHR (Increased Chemical Resistance)

LiquaTile 1142 CHR-FC (CHR with Faster Cure)

APPLICATION DATA SUMMARY

LiquaTile 1142 is mixed on site and applied with a notched trowel, squeegee, roller or airless spray to create a smooth, glossy floor. LiquaTile 1142 can also be applied to properly prepared steel surfaces without the need for surface primers or other types of secondary bonding agents in most cases.

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 & Primed concrete, Steel
Surface Preparation	
Steel	SSPC-SP5 Abrasive Blast
Concrete	ASTM D4258
Application Method:	Roller or brush, spatula
Pot Life (200g @77°F):	UVR Hardener: 40 mins. UVR-FC Hardener: 20 mins. CHR Hardener: 38 mins. CHR-FC Hardener: 18 mins.
Induction Period:	None

APPLICATION DATA (CONTINUED)

Mix Ratios (By Volume):	2 Parts "A" to 1 Part "B"		
Temperature Range:	35-120°F		
Max Relative Humidity:	90% at 70°F		
Surface Temperature:	>5°F above dew point		
Drying Time to Touch (ASTM D1640) at 50-90% RH			
	90°F	70°F	50°F
Using UVR Hardener	4 hrs	6 hrs	9 hrs
Using UVR-FC Hardener	<2 hrs	<3 hrs	6 hrs
Using CHR Hardener	4 hrs	6 hrs	9 hrs
Using CHR-FC Hardener	<2 hrs	<3 hrs	6 hrs
Max Chemical Resistance:	7 Days		
Thinner:	None		
Equipment Cleaner:	MEK		

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:	1-125 mils	N/A
Theoretical Coverage (sqft/gal):	1 mil: 1604, 10 mil: 160, 20 mil: 80	N/A
VOC:	0	ASTM D3960
Temperature Limits:	350°F (dry) 200°F (wet)	ASTM D4541
Flashpoint (SETA):	N/A	ASTM D3278 Setaflash
Total Coats:	1 or more	N/A

SHIPPING DATA

Packaging:	3 Quart Kits 3 Gallon Kits
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STORAGE

Shelf Life (indoors @ 40-100oF):	1 year from date of manufacture (factory sealed)
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: LiquaTile 1142 - 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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