

PRODUCT DESCRIPTION

VersaHard 9504 can be used with various VersaRez products. However it is primarily used with VersaRez 9108. VersaHard 9504 along with VersaRez 9108 forms a 100% solids, two-component AHC (Advanced Hybrid Cycloaliphatic) epoxy floor coating which exhibits excellent adhesion on concrete. The coating's uses include epoxy flooring or concrete patching. The VersaRez 9108 and VersaHard 9504 coating can be used alone or can be topcoated with other Wolverine Coatings Corporation products.

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 INFORMATION

Substrate:	Blasted concrete, steel, fiberglass
Surface Preparation	
Steel	SSPC-SP5 Abrasive Blast
Concrete	ASTM D4258
*Contact our Technical Services for an exact recommendation	
Application Method:	Airless spray, roller, or brush
Gel Time (*125g):	25 minutes (@77°F Binder only)
Mixing: Mix separate components thoroughly before adding together.	
Mix Ratio 2 Parts "A" to 1 Part "B" (By Volume)	

APPLICATION INFORMATION (CONTINUED)

Drying Time (@ 77°F at 50% relative humidity)	
Tack Free:	6-7 hours
Overcoat:	12-24 hours
Through:	12-24 hours
*Consult WCC for recoating instructions when applying multiple coats. Amine blushing may occur under certain instances, especially during low temperature cure and/or high humidity.	

Temperature Range:	50-120°F
Max Relative Humidity:	80%
Surface Temperature:	50-120°F (>5°F above dew point)
Max Chemical Resistance:	4-7 Days
Thinner:	None
Equipment Cleaner:	MEK

PHYSICAL DATA

Finish:	Gloss
Color:	Clear (1-2)
Components:	Two
Curing Mechanism:	Chemical Reaction
Hardness:	65-70 (24 hours)
Viscosity:	100 cps
Volume Solids:	100%
Dry Film Thickness:	10-30 Mills
Total Coats:	1 or more

Coverage to Achieve Dry Film Thickness, sq.ft./gal.	
Mils	Ft ² /Gal
10:	160

VOC:	None
Temperature Limits:	200°F (100°C)
Adhesion (on Concrete):	Excellent!
Flashpoint (SETA):	126°C (259°F)

Chemical Resistance **Depends on resin selection*

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

SHIPPING DATA

Packaging:	5 Gal, 52.5 Gal (*typically ordered with appropriate amount of VersaRez Resin) (ex. VersaRez 9107)
DOT Class (resin) - Non regulated	

GENERAL LIMITATIONS

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 of concrete, 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: VersaHard 9504 - Rev. 191203

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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