

## PRODUCT DESCRIPTION

TrowelEase 1160 is a 100% solids, two-component AHC (Advanced Hybrid Cycloaliphatic) epoxy binder which exhibits excellent adhesion on concrete. The binder is used for epoxy flooring or concrete patching. TrowelEase 1160 can be used alone or can be topcoated with other Wolverine Coatings Corporation products. The main application is to mix with graded aggregates to make epoxy mortar.

## 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:	Properly prepared & primed concrete
Surface Preparation	
Concrete	
Application Method:	Roller or brush, trowel when mixed with Graded Aggregate
Gel Time: (TrowelEase 1160 binder only)	27 minutes (125g @77°F / 50% RH) (no sand)
Induction Period:	None
Mixing: Mortar Binders are packaged in pre-measured containers consisting of Resin Part A and Hardener Part B which must be mixed together before use. Once liquids are mixed together, add the sand to the mixture.	
Mix Ratio: 2 Part "A" to 1 Part "B" (Gallons) to 4 bags (50 # each) (or desired amount for a wetter or drier mix) of TrowelSand 245.	
Environmental conditions	
Temperature Range:	50-120°F
Relative Humidity:	N/A
Surface Temperature:	50-120°F

## APPLICATION DATA (CONTINUED)

Curing Time (@ 50% RH) (Binder Only)			
	90°F	70°F	50°F
Tack Free	NT	4-6 Hours	NT
Overcoat	NT	4-24 Hours	NT
Through	NT	24 Hours	NT
Max Chemical Resistance	4 - 7 Days		
Thinner	None		
Equipment Cleaner	MEK		

## PHYSICAL DATA

Finish:	Glossy (binder only)
Color:	Clear or Pigmented
Components:	2 (or 3 with Graded Aggregate)
Curing Mechanism:	Chemical reaction
Volume Solids:	100%
Total Coats:	1 or more
Coverage	
Theoretical Coverage	Ft <sup>2</sup> / Gal
Resurfacing (3/16 Trowel)	100 - 130 ft <sup>2</sup> *
*Depends on aggregate and ratio of aggregate to binder - Calculated w/ 3 gallons of mixed TrowelEase 1160 per 200# TrowelSand 245 (4 Bags)	

## PHYSICAL DATA (CONTINUED)

VOC:	None
Adhesion (D4541):	>800psi (Concrete Failure)
Abrasion Resistance (D4060):	35mg (0.035g) loss
Impact Resistance (D4226):	>320 in. lbs. (Direct)
Compressive Strength (C579):	>13,000 psi
Temperature Limits:	200°F (100°C)

## GENERAL LIMITATIONS

Do not apply over a wet surface.
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, minimum age of concrete prior to application is 28 days.

## SHIPPING DATA

Packaging:	15 Gal Kit, 157.5 Gal Kit
Shelf Life (indoors @ 65-90°F):	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: TrowelEase 1160 - Rev. 250207

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](http://www.wolverinecoatings.com).



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