

PRODUCT DESCRIPTION:

Solid-X Trowelable Epoxy Mortar is a three-component epoxy-based repair mortar intended for structural floor repairs. This product features a compressive strength greater than concrete and great towability with minimal shrinking for structural seamless floor repairs.

APPLICATIONS:

- Residential Floors
- Commercial Floors
- Industrial Floors

ADVANTAGES:

- 100% Solids
- Low Odor/ Low VOC
- Stronger than Concrete
- Fast Cure
- Excellent Chemical Resistance

LIMITATIONS:

- Not designed for feather-edged applications

COVERAGE RATES:

0.15 Cu Ft

TECHNICAL PROPERTIES:

VOLUMETRIC MIX RATIO	1A:1B:1C	
SOLIDS CONTENT	100%	
VOC	0 g/L	
POTLIFE (2-GAL MASS)	45 Mins @ 75°F	
WORKING TIME	25 Mins @ 75°F	
DRY TO TOUCH	2 Hours @ 75°F	
FULL CURE	5-7 Days	
TENSILE STRENGTH	ASTM D638	7,100 PSI
COMPRESSIVE STRENGTH	ASTM D695	12,019 PSI
ADHESION	ACI 503R	350 PSI
ABRASION RESISTANCE	ASTM D4060	41.2 mg Lost
FLAMMABILITY	SELF-EXTINGUISHING	

APPLICATION EQUIPMENT:

Protective Clothing	Margin Trowel
Slow Speed Drill	Flat Trowel
Mortar Mixer	

SURFACE PREPARATION:



Remove loose concrete from repair area using chipping hammer to profile area and vacuum all dust and debris

PLEASE REVIEW SAFETY DATA SHEETS (SDS) & CHEMICAL SAFETY GUIDE FOR SAFETY AND PRECAUTIONS

ENVIRONMENTAL FACTORS:

Working times are affected by environmental conditions. Large masses of mixed and/or heated material will have shorter pot-life. Keep material core temps between 50-75°F. In elevated temps consider icing buckets to reduce product temps and cold climates use pail warmers

1010 EPOXY MORTAR MIXING STEPS:

	Add A-Component to the quartz/sand mix (C-Component)
	Mix A&C Component until mixture is thoroughly wet with no dry spots
	Add B-Component to the mix
	Continue to mix for 3-minutes until thoroughly blended




1010 EPOXY MORTAR PATCH APPLICATION STEPS:

COVERAGE RATES:

0.15 Cu Ft

APPROXIMATE WORKING TIMES:

25 MINS @ 75°F

	Using Margin trowel pack mortar into repair area and with a lubricated trowel push and flatten material.
	Allow system to dry. Typically 2 hours at 75°F
	Overfilled repair areas can be ground smooth with a 7" grinder and a diamond segmented cup wheel with dust shroud attachment
	Surface can be coated with any product/system. Keep in mind a secondary application of solid colored product may be needed for even hide




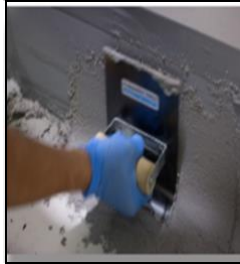


1010 EPOXY MORTAR COVE APPLICATION STEPS:

COVERAGE RATES:

30 LF @ 4"

APPROXIMATE WORKING TIMES:

25 MINS @ 75°F

	Cove height should be measured and taped using duct tape. Wall should be primed with 4100 and broadcasted to rejection with silica prior.
	After mixing trowelable epoxy use a margin or flat trowel to apply material and wall/floor junction
	Using a flat trowel pull the product up to wall
	Lubricate cove trowel using mineral spirits or windex and with firm even pressure pull the material to form cove. Be sure to continuously lubricate cove trowel to eliminate pulling of product. Remove tape in ½-1 hr to detail cap.
	Allow system to dry. Typically 2 hours at 75°F
	Rough areas can sanded using a sanding stone. Once fully dried decorative system can be applied to floor and cove

CLEAN-UP:

Immediately clean up splatter marks and tools with MEK or Acetone. Clean hands and exposed skin with mild soap and water, and/or citrus based hand cleaner.

MAINTENANCE:

Maintain 1009 OR 5085 to minimum of 4 mils dry film.

DISCLAIMER:

All information provided in this technical data sheet is based on laboratory data. It is the responsibility of the customer to test the material for their application and conditions prior to using the product.

TEMPERATURE:

The product was tested at ambient temperature (75°F -77°F). Results WILL vary when product is used at temperatures different from testing temperature. The pot life, gel time, and cure time is generally longer for colder temperature applications, and shorter for higher temperature applications. Physical properties are also impacted and dependent upon temperature.

SLIP RESISTANCE:

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Versatile High-Performance Coatings recommend the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily, or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Versatile High-Performance Coatings or its sales agents will not be responsible for injury incurred in a slip and fall accident

WARRANTY:

Versatile High-Performance Coatings guarantees that this product is free from manufacturing defects and complies with our published specifications. If the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Versatile High-Performance Coatings (herein referred to as "seller") makes no warranty, expressed or implied, regarding the use of its products. Since use of this product is beyond the seller's control, the buyer assumes all risk of use. Seller's obligation shall be to replace material if found defective. Seller shall not be liable for any damage, injury, loss, direct or consequential, resulting from the use of its products. End user must determine if substrate is suitable for coating application before installing.

TECHNICAL SERVICES:

Technical services can be obtained by contacting Versatile High-Performance Coatings directly at 214-807-6878.