TECHNICAL DATA

SpecPoxy Mortar

Epoxy Mortar Repair Kit

GreenConscious

DESCRIPTION

SpecPoxy Mortar is a three-component, 100% solids, multi-purpose, epoxy mortar. The system combines a high-quality epoxy binder with an engineered blend of graded aggregates. Specifically engineered to provide superior trowel-ability, compressive/ tensile strength, impact and chemical resistance for use in industrial and commercial applications such a warehouse floors, ramps, loading docks and rebuilding joint nosings.

SpecPoxy Mortar offers the following benefits:

- Superior bond, compressive, and flexural strength when compared to cementitious systems.
- Long Pot Life for applications between 60-90 deg. F
- Use for high traffic areas ie: loading docks, ramps.
- Pre-measured proportions for easy installation
- Dries to a light gray mortar color
- Trowel-able consistency for horizontal applications
- Superior abrasion, chemical & impact resistance
- Moisture insensitive/Stain resistant
- Solvent-free (VOC Compliant)
- Foot traffic in 12 hours; Vehicle in 24 hours
- USDA accepted for Indirect Food Contact

APPLICATION

Surface Preparation: Surfaces to receive mortar must be clean and structurally sound. Remove all oil, grease, dirt, laitance, curing compounds, and any other foreign matter by sandblasting, mechanical abrasion or oil free compressed air.

Mixing Instructions: Air, material, and surface temperatures must be a minimum of 50°F and maximum of 90°F prior to mixing or installation. To assist with mixing and dispensing, precondition material to 70°F. Mix each component separately, then mix one parts of component A and one part of component B by volume for 2-3 minutes with a low speed drill motor using a Jiffy mixer or paddle. Mix only as much material as can be used within the pot life. Slowly add part C (aggregate) and mix until all aggregates are coated with epoxy.

Placing: For mortar overlays or patching, apply the mixed epoxy mortar with a trowel or rake immediately or within 30 - 40 min. Allow remaining work time for finishing. Use Solvent 100 as a finishing aid to lubricate the trowel allowing a smooth epoxy finish.

Broadcast additional dry sand into the wet mortar to increase texture for improved traction.

CLEANING

Tools and Equipment: Uncured material can be removed with SpecChem Orange Peel Citrus Cleaner or other approved solvent. Dispose of in accordance with local, state, and federal disposal regulations. Mechanical removal is necessary for cured material.

STANDARDS

Epoxy Mortar: Material shall be a 100% solids, ASTM C881, Type III, Grade 1, multi-purpose trowelable epoxy mortar equal to SpecPoxy Mortar.

PACKAGING

1/2 cubic foot unit

Component A	1/2 gal
Component B	1/2 gal
Component C	1-50 lb. bag

1.0 cubic foot unit

Component A	1 gal
Component B	1 gal
Component C	2– 50 lb. bags

SHELF LIFE

Store SpecPoxy Mortar in its original containers in a dry environment between 45-95F.
The shelf life of properly stored SpecPoxy Mortar in unopened, undamaged containers is two years from date of manufacture.

TYPICAL PROPERTIES

Cured Appearance ……..	Gray Mortar
Coverage for 1/2 cu-ft unit @ 1/4”	24 sq-ft
Pot Life @ 75F	40-60 min.
Compressive Strength (ASTM C579)	9,600 psi
Bond Strength (ASTM C 882)	2650 psi
Tensile Strength (ASTM C 307)	1650 psi
Flexural Strength (ASTM C 580)	3450psi
Hardness (ASTM D 570 Shore D)	85
Water Absorption (ASTM D 570) @ 24hrs	<0.5%

SpecChem
Solution to Service

1511 Baltimore Ave, Suite 600
Kansas City, MO 64108
www.specchem.com 816.968.5600

Revised 01/08/2026

LIMITATIONS

Always test a small amount of SPECPOXY MORTAR to verify that the product has been thoroughly mixed and will harden properly before proceeding.

Do not thin with any solvent.

Surface and air temperatures must be a minimum of 50°F for application.

Exterior applications subjected to continuous UV can slightly amber. Additional dry sand broadcast into the wet mortar can minimize any color change.

Avoid exposure to extreme temperature variation and freeze thaw. Protect from freezing.

PRECAUTIONS

Prolonged or repeated skin or eye contact may cause irritation. Use safety glasses and wear protective rubber gloves. If skin contact occurs, wash immediately with soap and water and seek medical help if needed. If eye contact occurs, flush immediately with water and seek medical help if needed. In case of ingestion, call a physician. Product is a sensitizer. Avoid breathing vapors.

INDUSTRIAL USE ONLY

Additional precautions, safety and first aid information are contained in the (SDS) Safety Data Sheet.

WARRANTY

NOTICE-READ CAREFULLY
CONDITIONS OF SALE
SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.
WARRANTY LIMITATION
SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.
INHERENT RISK
Purchaser assumes all risk associated with the use or application of the product.

SPECCHEM
Solution to Service

1511 Baltimore Ave, Suite 600
Kansas City, MO 64108
www.specchem.com 816.968.5600

Revised 01/08/2026