



CFP-EPOXY

LO MOD EPOXY MORTAR

LOW VISCOSITY SELF LEVELING REPAIR RESIN

USES

PATCH AND SPALL REPAIRS
TROWELED FLOOR SYSTEMS
NON-SKID RAMPS AND FLOORS
LIGHT MACHINE BASE GROUTING
BONDING CONCRETE, STEEL & WOOD

FEATURES

CURES IN 2 HOURS, NORMALLY
SMOOTH, EASY TROWELING
STRESS RELIEVED FORMULA
MAY BE EXTENDED WITH SAND OR
AGGREGATE FOR MAKING A MORTAR GROUT

PRODUCT DESCRIPTION

CFP-EPOXY is a two component epoxy mortar binder, formulated for horizontal applications, including patch and spall repairs, heavy duty non-skid ramp and dock applications, epoxy concrete floor topping systems and bonding concrete, steel and wood members. CFP-EPOXY is a low modulus, stress relieved epoxy mortar that will not de-laminate from properly prepared substrates in freeze/thaw conditions. Features include abrasive resistance to heavy wheeled traffic and superior wetting ability for excellent bonding strength. CFP-EPOXY is resistant to oil, road de-icing salts, alkalis, and many mild inorganic acids.

Surface Preparation: Sandblast or shot-blast the entire surface to be treated, removing all oil, grease, and other contaminants. Use a chipping hammer to remove all unsound or damaged concrete from the surface. If rebar is exposed, white blast to assure bonding protection.

Mixing: It is very important to thoroughly mix the "A" and "B" components together prior to adding any silica sand. Mix 2 parts "A" component with 1 part "B" component thoroughly for 2 minutes using a low speed drill and jiffy mixer. If using with silica sand, draw off enough neat resin to use as a primer and brush or roll a thin coat over the prepared surface. Slowly add aggregate to remaining mixed resin while mixing with the low speed drill and jiffy mixer until desired uniform consistency is achieved.

APPLICATION TIPS:

**Keep mortar at room temperature while mixing and troweling.
Spray a light mist of water on bottom of trowel to keep mortar from sticking.**

TROWELED FLOORING INSTRUCTIONS

1. Prepare the floor surface according to the instructions above.
2. Mix the three components together and prime the prepared surface according to the instructions above.
3. While the primed area is still tacky, screed the mixed epoxy/silica mortar onto the floor area.
4. Screed the mortar over the entire primed area to desired thickness and trowel smooth, compressing the mortar as you trowel.
5. Use a flood light to show uneven trowel marks.

PATCH AND SPALL REPAIR INSTRUCTIONS

1. Prepare the patch area surface according to the instructions above.
2. Mix the three components together and prime the prepared surface according to the instructions above.
3. While the primed area is still tacky, place the mixed mortar onto the patch area.
4. Compress material into patch, and trowel level to the surface and finish with a finishing trowel.
5. Allow to cure until hard (approximately 3 hours at 65 - 70° F.) before restoring light traffic. Allow 24 hours before severe use.

ENGINEERING DATA – CFP-EPOXY MORTAR BINDER

Storage Conditions	Store dry on pallets or shelves in a heated warehouse at temperatures between 50 and 90 degrees Fahrenheit. DO NOT ALLOW TO FREEZE. Do not use after the shelf life has expired.
Shelf Life	Two years in unopened containers
Coverage	190 cubic inches (Oven dried silica sand may be added to extend coverage)

Initial Set Time			
Degrees F	50°	70°	90°
Pot-life in bucket	45 minutes	25 minutes	12 minutes
1/4 inch layer	6 hours	2 hours	1 hour
1/2 inch layer	5 hours	2 hours	45 minutes
To get maximum working life, the mortar should be spread on the prepared surface immediately after mixing. The substrate temperature will affect the cure time. The following table should be used for estimating purposes only.			

Unmixed Properties					
Component	Mix Ratio	Color	Viscosity	Density	Chemical Make-up
“A” Component	2 parts	Gray	800 centipoise	9.83 lbs/gal	100% epoxy resin
“B” Component	1 part	Amber	400 centipoise	8.20 lbs/gal	Modified polyamine resin
“C” Component	6 parts	Silica/Quartz Aggregate mix, Largest Mesh = 20			
“C” Component is not part of the CFP-EPOXY Mortar Resin Kit, it is to be supplied by the installer					

Performance Data (Cured Properties)			
Compressive Strength ASTM C-109 75 Mod. 7 day room temperature cure	6,000 psi	Slant Shear Strength ASTM C-881/882 No breaks at bond line	5,000 psi

Helpful Hints Cleanup: For Tools and equipment, wash with M.E.K. or Toluene immediately after use. Soak contaminated tools in carburetor cleaner. For hands, use a waterless hand cleaner. Citrus based cleaners such as Zep MVP work very well.

Safety Precautions: WARNING: Uncured resins contain materials that may be toxic. Prolonged contact with skin tissue may cause a rash. Prevent all contact with skin. Wash regularly with soap and warm water or waterless hand cleaner. Use rubber gloves, protective clothing, and eye goggles. Use skin barrier creams when possible. Avoid all contact with eyes. If contact with eyes occurs, wash immediately with warm water for 15 minutes and call a physician. Ask your Distributor for a material safety data sheet before working with product.

DISCLAIMER: Chemex Industries, Inc., (USA) has no control or knowledge concerning the purchaser's use of the product or application methods, and therefore NO IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO AN IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF PERFORMANCE FOR A PARTICULAR APPLICATION ARE MADE WITH RESPECT TO THIS PRODUCT. The shelf life of this product is two years from the date of manufacture. Product held beyond that point is not returnable. In the event that the product proves defective, the buyer's exclusive remedy shall be as follows; upon written request of the buyer, the seller or manufacturer shall replace any quantity of the product which is proven to be defective freight prepaid, or shall at its option, refund the purchase price of the product plus reasonable freight costs, upon return of the product.