

CPD® EPOX-FLEX LT GROUT

Fiber Reinforced Epoxy Patching Material

DESCRIPTION

CPD® EPOX-FLEX LT GROUT is a heavy duty resin-rich highly abrasion resistant epoxy floor patching material. It consists of a 100% solids, two component epoxy resin binder with a fiber modified high strength aggregate for maximum protection.

WHERE TO USE

CPD® EPOX-FLEX LT GROUT is designed for concrete floor repairs in heavy service industrial plants. The cured product exhibits excellent mechanical properties as well as high abrasion resistance.

BENEFITS

- \$ excellent bond to concrete and steel
- \$ fast curing properties
- \$ stress relieving resin system
- \$ fiber reinforced for toughness
- \$ excellent workability for ease of application
- \$ slip resistant finish

PROPERTIES (Tested @ 23°C(74° F)

Mix Ratio, by Volume	2 parts A:1 part B
Solids Content.....	100 %
Pot Life (½ ft³ unit):.....	20 minutes
Set Time:	4 hours
- Foot Traffic	8 hours
- Vehicular Traffic	24 hours
Compressive Strength (ASTM C-109)	
12 hours	48 MPa (6960 psi)
1 day	65 MPa (9425 psi)
3 days	80 MPa (11600 psi)
28 days	81 MPa (11745 psi)
Flexural Strength (ASTM C-293)	
3 days	26MPa (3770 psi)
28 days.....	29 MPa (11745 psi)
Tensile Strength (ASTM C-190)	
3 days	13.5MPa (3770 psi)
28 days.....	14 MPa (11745 psi)

The above information is representative of actual production runs. Independent test results may vary from the above by approximately ? 10%.

APPLICATION

SURFACE PREPARATION

Saw cut a rectangular perimeter around the concrete floor area to be repaired. Chip down to 25mm (1") minimum to create a box with the bottom having a minimum profile. Any exposed rebar should be wire brushed prior to grouting. Any corroded rebar must be replaced. If water is used for saw cutting/chipping/dust suppression power wash area (water only) to remove all mud and particles. Allow to dry (or force air dry) prior to priming.

When steel channel is encountered degrease and wire brush to reveal continuous bright metal.

PRIMING

After concrete preparation, prime all areas with CPD® EPOX-FLEX LT GROUT (resin only). If the entire unit is not being used, premix both Part "A" and "B" prior to removing product from containers. If using entire unit, mix as outlined under product mixing below. Mix the resin by combining 2 volumes of Part "A" with one volume of Part "B". Mix for a minimum of 3 minutes then apply with broom or stiff masonry brush - avoid pooling.

MIXING

CPD® EPOX-FLEX LT GROUT can be mixed in a mortar mixer or a 60L galvanized steel garbage can. For a 60L can mix utilize a slow variable speed heavy duty 3/4" drill with a sigma mixing blade. Mix the 3.79L unit of CPD® EPOX-FLEX LT GROUT by adding Part "B" to Part "A" and mixing for 2 minutes. Thereafter, pour the mixed gallon into the Part "B" can and mix for one minute. Use a slow speed drill with a "Jiffy" mixer blade. Pour the mixed gallon into the 60L pail, then add the aggregate slowly, while mixing. When using a mortar mixer you can mix up to 5 units (2.5ft³) at a time. Always add the mixed resin to the mortar mixer first followed by the aggregate component. Once the aggregate is uniformly mixed (no dry lumps) discharge, place and finish as soon as possible. If a smooth finish is desired, use mineral spirits as a trowel lubricant (do not use water or any other solvent as a finishing aid).

NOTE: Components should be at room temperature prior to use for ideal finishing and curing properties.

LIMITATIONS

- \$ avoid any contamination of product with water prior to hardening
- \$ minimum substrate application temperature is 10°C (50°F)
- \$ do not store resin below 4.5°C (40°F)
- \$ do not use any other aggregate in product

Consult CPD® Technical Service personnel for severe chemical exposure applications.

PACKAGING

0.014m³ (0.5ft³) Consists of 1 x 3.79L (1 U.S. Gal.) resin unit + 1 x 25kg (55lbs.) bag of CPD® EPOX-FLEX LT GROUT AGGREGATE KEVLAR FLAT.

CLEAN UP

Clean all equipment with CPD® Xylol before epoxy hardens.

STORAGE

Protect from freezing as the resin component of this product may crystallize at temperatures below 4.5°C (40°F).

SHELF LIFE

Two years from the date of manufacture when stored in original containers under normal heated warehouse conditions.

SAFETY PRECAUTION

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS # 97, #97b

WARRANTY

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job-conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

CPD® makes no warranties with respect to this product, expressed or implied, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD®'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which CPD® product has been applied. CPD® reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD® shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

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