



# DC510 Liquid Epoxy Fast Set Concrete Repair

## PREPARE/REPAIR

### PRODUCT DESCRIPTION:

EPIC DC510 Liquid Fast Set Concrete Repair is a two-component product designed for rapid patching and repair of various substrates, including concrete. Excellent for the repair of holes, cracks and other surface defects.

CURE SCHEDULE (70 Degrees F)	
Pot Life (100-gram mass)	1-4 minutes
Recoat or Topcoat	1 hour
Light Foot Traffic	10-20 minutes
Full Cure (Heavy Traffic)	1 hour
Application Temperature: 20-90 degrees F. (lower temperatures will require additional cure time)	

**PRODUCT STORAGE:** Store product in an area so as to bring the material to normal room temperature before using it. Continuous storage should be above 55°F to prevent product crystallization.

**SURFACE PREPARATION:** All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble-free bond to the substrate. For the repair of spalled concrete, a stiff wire brush can be used to remove all loose concrete. After wire brushing the spalled area, remove all loose dust and debris with an industrial vacuum.

**PRIMER:** No primer is necessary.

**PRODUCT MIXING:** The product has a 1:1 liquid mix ratio by volume. Part A should be mixed with an equal Part B. Mix only an amount of material that can be used in 1-3 minutes. Mix the liquids for 15 seconds.

**PRODUCT APPLICATION:** Apply a thin layer of the mixed liquids onto the area to be repaired. A brush may be used to evenly spread the liquid. Sprinkle dry sand into the liquid in order to fill the void, bringing it to level with the surrounding surface. Then saturate the sand with the liquid. Re-apply more sand and liquid as needed. Finally, trowel the floor to smooth out the area and remove any excess material. Allow the material to cure for ten to twenty minutes before foot traffic and 30-60 minutes for heavy equipment such as fork trucks.

**SOLIDS BY WEIGHT:** Nearly 100%

**VOLATILE ORGANIC CONTENT:**

5.5 grams per liter cured

**COLOR:** Gray when mixed and cured. The gray color will not develop until the curing process takes place.

**RECOMMENDED THICKNESS:**

The DC510 Liquid Epoxy Fast Set Concrete Repair can be applied at any thickness. Keep in mind that the material sets very rapidly.

**COVERAGE PER KIT:**

Coverage is dependent on hole size or size of the area to be repaired

**PACKAGING**

1-gallon kit (½ gal part A + ½ gal part B)

2-gallon kit (1 gal. part A + 1 gal. part B)

Tube Set (sets of 6)

**MIX RATIO:** The liquid mix ratio is 1:1 by volume

**SHELF LIFE:** 1 year in unopened containers

**SHORE D HARDNESS:** 71

**TENSILE STRENGTH:** 4,500 psi

**ELONGATION:** 5-6%

**IMPACT RESISTANCE:** Excellent

**ABRASION RESISTANCE:** Excellent

**COMPRESSIVE STRENGTH:** 4,400 (as a slurry with aggregate sand)

**BOND STRENGTH:** 535 psi (concrete failure)

**DOT CLASSIFICATION:**

Part B "not regulated" Part A "not regulated"

**VISCOSITY:** Less than 30cps typical

**PRIMER:** Self-Priming

**TOPCOAT:**

None required. However, many types of products can be used as coatings or overlays for the area that has been patched.

## LIMITATIONS

- Because of the quick cure time for this product, it is best to work with one small area at a time. The typical working time after the three components are mixed according to directions is about 1-3 minutes.
- All new concrete must be cured for at least 30 days prior to application.
- When applying the material in cold areas, make sure the surface is clean and dry. Also, it is best to keep the material and aggregate sand at normal room temperature before mixing or use.

### **NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY**

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