

**TYPE:** EM CBC IV GEL is a solvent free, 2 component thermosetting, paste-like epoxy system.

Florida DOT Section 926, Type A, B, F1  
Louisiana DOT Type I & II C  
ASTM C881 Type 1, Grade 3, Class C

**DESCRIPTION:** Fluid Floors CBC IV GEL is a moisture insensitive high strength paste adhesive ideally suited for vertical and overhead bonding. Like all Fluid Floors liquid epoxy formulations, it is distinguished by 100% solids, no solvents, and low shrinkage. CBC IV GEL bonds tenaciously to concrete, steel stone, wood, brick, t and many other construction materials. It can be used for patching, topping, filling voids, and for dowel embedment. CBC IV GEL has a 25 year record of excellent performance.

### ADVANTAGES:

- Pre-proportioned one and two gallon units
- Adheres to most materials used in construction
- Non-sag consistency
- Good UV stability
- High tensile and compressive strength
- Sure-cure in the presence of moisture
- Resistant to the action of weathering, moisture, acids, and alkalis

### PROPERTIES OF CURED STATE:

- Tensile Strength 3900 psi
- Compressive Strength ASTM D695 8020 psi
- Diagonal Shear Strength ASTM C882 5870 psi

### HANDLING PROPERTIES:

- Consistency, sag ASTM C881 0.0
- Gel Time, 100 grams @ 77°F ASTM C881 40 min.
- Max. Exotherm, 100 grams @ 77°F 315°
- Color, mixed Concrete gray

### PACKAGING: (1 Gallon Unit)

- Part A (Short filled gallon) Gray (paste)
- Part B (quart) Amber (liquid)

### POT LIFE: (1 gallon mass)

- Temp Minutes 40°F 60° F 75° F 90° F  
minutes 60 35 30 20

### CURE RATE:

- Initial cure, hrs. 10 5.5 4 3
- 75% Cure, hrs. 72 20 16 12
- Final cure, days 7 5 3 2

**SURFACE PREPARATION:** The success of any adhesive application is directly proportional to the completeness of the substrate preparation and the care your crews put into the application. Remove rust, laitance, grease, curing compounds, impregnations, waxes, foreign particles, and disintegrated materials from surfaces. Approved mechanical methods are recommended. Sandblast steel to appropriate finish.

**MIXING:** Add Part B to Part A and mix for approximately three minutes with a low speed drill until a homogeneous blend is achieved. Fluid Floors CBC IV GEL has a special gelling agent and filler incorporated to allow up to 1.5 inches of fill on vertical or overhead surfaces without sagging.

**COVERAGE:** 1 gallon of neat CSC IV GEL yields 231 cu. in. of epoxy.

**LIMITATIONS:** Do not thin CSC IV GEL. Solvents will prevent proper cure. Exposure to temperatures (after cure) above 200°F dry and 130°F wet is not recommended. FLUID FLOORS CSC IV GEL is designed for application both neat and as a mortar. Proportion of aggregate to mixed epoxy varies with proposed end use - do not exceed 3 parts aggregate to 1 part mixed CBC IV GEL. Use only oven-dry aggregate to avoid encapsulation of moisture. Substrate temperature must not be below 40°F.

**CAUTION:** Pot life is dependent upon material temperature and quantity mixed. The greater the mass, the shorter the pot life.

**HANDLING PRECAUTIONS:** May produce skin irritations. Skin contact should be avoided by the use of protective clothing such as rubber gloves and eye protection. Consult Material Safety Data Sheets.

**CLEAN-UP:** Fluid Floors #5 CLEANER is formulated to remove uncured material from tools and equipment. Do not allow material to harden on tools for additional information.

**STORAGE:** Store inside in tightly sealed containers at moderate temperature; avoid overheating and freezing. Open containers should be sealed as soon as possible to prevent moisture contamination.

### CBC IV GEL COVERAGE

Thickness Coverage / gallon  
(1000 mils = 1in.)

- 1/4" = 250 mils 6.4 sq. ft.
- 3/16" = 187 mils 8.5 sq. ft.
- 1/8" = 125 mils 12.8 sq. ft.
- 1/16" = 100 mils 16.0 sq. ft.