



# CE720 PATCH KIT

## HYBRIDIZED EPOXY URETHANE PATCH

**ITEM NUMBER** CE720

### **DESCRIPTION**

CE720 Patch Kit is a rapid setting, 100% solids, high strength, all-weather spall repair and patching material for concrete. CE720 Patch kit consists of a unique hybridized epoxy urethane system and an engineered aggregate.

### **INDUSTRY USES**

CE720 Patch Kit can be used for spall repairs and patching on bridge decks, traffic area spalls, crack repairs and patching, freezer floor repairs, airport runways, taxiways and aprons and patching prior to coating application.

### **BENEFITS AND FEATURES**

- Open to traffic in 10 to 15 minutes
- Fast initial set; rapid gain to ultimate strengths
- Easy 1:1 mix ratio by volume
- Thermally compatible with concrete
- Unique working temperature range of -20°F to 85°F
- One hour fully cured

### **PACKAGING**

- 0.45 cu ft. / .013 cu. m kit: ½ gallon Part A, ½ gallon Part B, 50 lb. Part C

### **TECHNICAL DATA**

Shelf Life:	12 months
Storage Conditions:	Below 85°F (29°C)
Condition Material before using	65°F-85°F (18°C-29°C)
Pot Life (ASTM C881) 100 grams @ 73°F	3min
Viscosity (neat)	250 cps
Shore D Hardness (ASTM D2240)	60-70
Tensile Strength (ASTM D412)	1,500 psi
Elongation % (ASTM D412)	30%
Compressive Strength (ASTM C579 with aggregate)	3,500 psi in 24 hrs
Bond Strength (ASTM C882)	2,000 psi
Adhesion (ACI 503R)	400 psi

### **APPLICATION**

**Read all instructions prior to use.**

Clean the area of all debris and contaminants; oil, grease, dust, dirt, unsound concrete, etc. Expose clean rough concrete for best results. Cut or chip a vertical edge, minimum ½” deep, around perimeter of the area to be patched. Make sure the area is clean dry and sound. Sandblasting may be necessary to expose clean concrete. Vacuum or blow off concrete dust and debris with oil-free compressed air.

**MIXING:** Have all components and tools ready and patch area properly prepared prior to mixing/placement. Mixing container, tools and patch area must be clean and dry prior to use.

- 1) Shake component B for 30 seconds.
- 2) Mix components A and B for 30 seconds at 200-300 rpm with a jiffy mixer with a ½” drill.
- 3) Begin adding component C and mix for another 30 seconds until all of the aggregate is wetter out.
- 4) Place product IMMEDIATELY.

#### **Mixing Less than Full Kit Quantities:**

- 1) Shake component B for 30 seconds.
- 2) Mix equal parts (1:1) ratio or components A and B vigorously for 30 seconds.

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- 3) Add 3 parts by volume of component C to 1 part mixed A and B components and stir for 30 seconds until aggregate is wetted out.
- 4) Place product IMMEDIATELY.

**Finishing:** CE720 Patch Kit should be tamped into the entire patch area with the blunt end of a 2x4 or similar object to properly wet the substrate. It should then be troweled and finished immediately.

Finished patch should be level and not higher than the surrounding area. Patches may be ground.

A small amount of aggregate may be withheld for sprinkling onto the finished surface immediately after troweling for surface texture and color.

**Grinding to finish grade: Important** – Allow the CE720 Patch Kit to set for approximately 20 minutes or until hardened. For best results use a flexible grinding wheel and grind smooth and level with the finished grade. Shaving, scraping or cutting may also be done with a sharp razor blade. Cut as soon as product is set but before fully cured.

### **CLEAN UP**

Empty containers must be drip free. Cured product may be disposed of without restrictions. Excess liquid A and B material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tools.

### **CAUTION**

#### First Aid

- EYE CONTACT: Flush immediately with water for at least 15 minutes. Contact physician immediately.
- RESPIRATORY CONTACT: Remove person to fresh air.
- SKIN CONTACT: Remove any contaminated clothing. Remove immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water.
- Solvents should not be used as they carry the irritant into the skin.
- Wash clothing before re-use.
- Cured product is innocuous.

### **LIMITED WARRANTY**

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