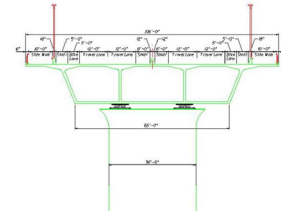




# CBC 6

## SEGMENTAL EPOXY



**TYPE:** Pilgrim CBC 6 is a solvent free, 2 component thermosetting, sealing and bonding system for matched cast faces of joints between precast concrete segments. Two Formulations, Normal & Slow-Set.

**Florida DOT Section 453**  
**Texas DOT Special Specification Item 8706**  
**ASTM C881 TYPE VI & VII**  
**ASBI Specification**

**DESCRIPTION:** Pilgrim CBC 6 is a moisture insensitive high strength paste adhesive ideally suited for vertical and overhead bonding. Like all Pilgrim liquid epoxy formulations, it is distinguished by 100% solids. No solvents. Insensitive to damp conditions during application and after curing, good water resistivity, low-creep characteristics and tensile strength greater than concrete. In addition CBC 6 functions as a lubricant during the joining of match cast segments. The cured CBC 6 provides intimate contact for stress transfer by filling all interstitial space between the match cast segment faces.

**ADVANTAGES:**

- Pre-proportioned units.
- A&B Components distinctly pigmented to produce a third color- concrete gray.
- Adheres to most materials used in construction.
- Non-sag consistency
- High tensile and compressive strength
- Good UV stability
- Resistant to the action of weathering, moisture, acids, alkalis

**PROPERTIES OF CURED STATE: (minimums)**

		<u>Normal-Set</u>	<u>Slow-Set</u>
<b>Shear/Bond Strength</b>	(ASTM C882)	1000 psi, 48 hr.	1,000 psi, 14 day
<b>Compressive Strength</b>	(ASTM D695)	2,000 psi, 24 hr. 6,000 psi, 48 hr.	2,000 psi, 7 day 6,000 psi, 14 day
<b>Contact Strength</b>	(ASTM C882)	1,000 psi, 48 hr.	1,000 psi, 14 day
<b>Temperature Deflection</b>	(ASTM D648)	120°F	120°F

**HANDLING PROPERTIES:**

<b>Consistency, sag</b>	0.0	0.0
<b>Gel Time (minimum)</b>	30 min.	30 min.
<b>Contact Time</b>	60 min.	6 hrs.
<b>Color, mixed</b>	Gray	Gray

**PACKAGING:**

3 gallon units

**Normal-Set Epoxy formulated for three application temperatures:**

- 1: For application at substrate temperatures from 70°F to 115°F
- 2: For application at substrate temperatures from 55°F to 75°F
- 3: For application at substrate temperatures from 40°F to 60°F

**Slow-Set Epoxy formulated for two application temperature:**

1. For application at substrate temperatures from 70°F to 115°F
2. For application at substrate temperatures from 40°F to 75°F

**SURFACE PREPARATION:** The interfaces of the units shall be lightly sandblasted or waterblasted (3500 psi minimum pressure) before erection to remove the laitance. Before applying **CBC 6**, the interfaces must be clean and free from laitance and any bond breaking material. The surfaces shall have no free moisture on them. Free moisture shall be considered to be present if a rag wiped over the surface gathers any dampness.

**MIXING:** Units are preproportioned in proper reacting ratio in ready to use containers. Pour entire contents of container B into container A. Mix thoroughly with mechanical Jiffy mixer (or equivalent) at 400-600 rpm for 3 to 4 minutes or until a uniform color and consistency is achieved. Mix only complete units. 55 gallon drum units are available with Meter/Mix/dispensing machine. Contact Pilgrim for complete details.

**APPLICATION:** Application shall begin immediately after batch has been mixed. Application shall be to a nominal thickness of 1/16" applied with a spatula, trowel or gloved hand.

**COVERAGE:** 1 gallon of **CBC 6** yields 231 cu. in. of epoxy and at 1/16" will cover 25.5 sq. ft.

**LIMITATIONS:** Do not thin **CBC 6**, solvents will prevent proper cure. Exposure to temperatures (after cure) above 200°F dry and 140°F wet not recommended. Substrate temperature must not be below 40°F.

**STORAGE:** Store inside at moderate temperatures. Shelf life of **CBC 6** is 2 year from date listed on containers.

**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:** Pilgrim #5 CLEANER is formulated to remove uncured material from tools and equipment. Do not allow material to harden on tools. #5 Cleaner is Flammable, consult Material Safety Data Sheets before use.

**CBC 6 COVERAGE**

Thickness (1000 mils = 1in.)	Coverage / gallon
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" = 62.5 mils	25.5 sq. ft.

**PILGRIM** WARRANTS ITS PRODUCTS TO BE FREE OF MANUFACTURING DEFECTS AND THAT THEY WILL MEET PILGRIM'S CURRENT PUBLISHED PHYSICAL PROPERTIES WHEN APPLIED WITH PILGRIM'S DIRECTIONS AND TESTED IN ACCORDANCE WITH ASTM AND PILGRIM STANDARDS. THERE ARE NO OTHER WARRANTIES BY PILGRIM OF ANY NATURE WHATSOEVER, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH THIS PRODUCT. PILGRIM SHALL NOT BE LIABLE FOR DAMAGES OF ANY SORT, INCLUDING REMOTE OR CONSEQUENTIAL DAMAGES, RESULTING FROM ANY CLAIMED BREACH OF ANY WARRANTY, WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FROM ANY OTHER CAUSE WHATSOEVER.