



CIVIL ENGINEERING



# CBC 6

## BONDING AGENT

**TYPE:** Pilgrim CBC 6 is a solvent free, 2 component thermosetting, sealing and bonding system meeting requirements of FL DOT Section 926. 4-6 hour extended contact time. Qualified as a FL DOT Type A for bonding fresh concrete to hardened concrete; for Type B, bonding hardened concrete to hardened and for an epoxy mortar add up to three volumes of aggregate.

### Florida DOT Section 926 Type A,B

**DESCRIPTION:** Pilgrim CBC 6 is a moisture insensitive high strength adhesive ideally suited for horizontal, vertical and overhead bonding. Like all Pilgrim liquid epoxy formulations, it is distinguished by 100% solids. No solvents. Good water resistivity, low-creep characteristics and tensile strength greater than concrete. Use as a bonding adhesive: most materials, wood, fiberglass, neoprene, concrete, steel, concrete.

### ADVANTAGES:

- Pre-proportioned units.
- Adheres to most materials used in construction.
- High tensile and compressive strength
- Good UV stability
- Resistant to the action of weathering, moisture, acids, alkalis

### PROPERTIES OF CURED STATE: (minimums)

<b>Shear Strength, :</b>	ASTM C882 6000 psi
<b>Compressive Strength:</b>	ASTM D-695 7000 psi
<b>Temperature Deflection:</b>	122°F

### HANDLING PROPERTIES:

<b>Consistency:</b>	600 cps
<b>Gel Time, 1 gallon:</b>	60 min.
<b>Contact/Open Time:</b>	8 hrs.
<b>Max. Exotherm:</b>	100 grams @ 77°F 122°F
<b>Color: mixed:</b>	Clear

**PACKAGING:** .75 gallon units

### PERMOCOAT, INC.

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**SURFACE PREPARATION:** Surface must be clean and sound. Before applying **CBC 6**, the substrate must be clean and free from laitance and any bond breaking material. The surfaces shall have no free moisture. 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.

**APPLICATION:** Application shall begin immediately after batch has been mixed. To bond fresh to hardened concrete, apply neat **CBC 6** to substrate with stiff-bristled brush or broom to a thickness of approximately 16 mils. Place fresh concrete while **CBC 6** is still tacky. If coating loses tackiness, remove any surface contaminants then recoat with additional **CBC 6**, and proceed. **CBC 6** may be sprayed over reinforcing steel and concrete substrate. Consult Pilgrim representative for details

**COVERAGE:** 1 gallon of **CBC 6** covers approximately 100 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 years 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.

**C L E A N - U P :** 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.

**Thickness Coverage / gallon**

(1000 mils = 1in.)

20 mils 80 sq. ft.

16 mils 100 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.