



**PC5000**  
PUMPABLE CONCRETE

**PRODUCT SPECS**

**ENGINEERED CEMENT**

- 1. PRODUCT NAME:** PUMPABLE CONCRETE 5000 PSI (**PC5000**)
- 2. ITEM CODE(S):** **PC30180(S) / PC301K**
- 3. MANUFACTURER:**  
Package Pavement Co., Inc.  
675 Leetown Road, PO Box 408  
Stormville, NY 12582  
(800) 724-8193  
FAX (845) 221-0433  
www.packagepavement.com

**4. MATERIAL DESCRIPTION**

PACKAGE PAVEMENT® PUMPABLE (POURABLE) CONCRETE 5000 mix is an engineered concrete suitable for use in all applications that require the use of pumping equipment for pour in place concrete. It provides an air entrained, rheology modified structural concrete with a minimum 28-day compressive strength of 5000 psi.

PC5000 provides a cohesive, stable concrete blend at placement with no aggregate segregation and consistent pumping characteristics. Built-in chemistry provides for a controllable and steady, pourable flow for optimum performance in the field.

Recommended slump of 4-8 inches is required in order to maintain consistent application and strength yields.

**5. COMPOSITIONAL DATA**

PC5000 is a blend of fine and coarse ASTM C-33 aggregates, Portland Cement, Fly Ash, and a combination of proprietary admixtures. It will achieve the slump necessary for pumping at a very low water to cement ratio while maintaining optimum strength and pourability for repairs or new installations.

Optimum Water / Cement Ratio should be 0.39 (Range 0.35 to 0.42) - roughly 0.80 gallons per 80 lb bag or 30 gallons per bulk 3000 lb bag.

Air has been carefully controlled to 5% plus or minus 1.5% for superior product flow and limited shrinkage when formed.

**6. MATERIAL PROPERTIES**

This product meets the compressive strength requirements for concrete using normal weight sand as specified in ASTM C-387, "Standard Specifications for Packaged, Dry, Combined Materials for Mortar and Concrete." The product will exceed the minimum compressive strength required when tested according to that specification. Slumps are workable from 4" - 8" depending on environmental factors.

Proper curing increases the strength and durability of concrete. Please refer to ACI 308, "Standard Practice for Curing Concrete," ACI Manual of Concrete Practice, Part 2, for more information on proper curing techniques.

**7. PACKAGING & STORAGE**

PC5000 is available in two packaging options, 80 lb multi-walled kraft paper bags or 3000 lb bulk bags in woven white polypropylene. All pallets and bags are labeled with a traceable lot number and batch information for track and traceability

Product is palletized and hooded to provide the opportunity for storage on site; additional weather protection is advised if stored outdoors. Product shelf life is 3-4 months after date of manufacture.

**8. MIXING THE MATERIAL**

Add approximately 80% of the water requirements to the mixer, then add PC5000. While mixing slowly add the balance of the water to achieve the desired slump. Continue mixing for a total of five to seven minutes to allow the admixtures to activate in the mix. A test batch is recommended to determine the exact water requirements prior to batching for placement.

Place PUMPABLE CONCRETE as per standard industry practices, follow ACI (American Concrete Institute) standards for concrete finishing.

**9. WARNINGS:**

- DO NOT EXCEED 0.90 Gallons (3.4 Liters) per 80 lb bag or 34 Gallons (127.5 Liters) per 3000 lb Bulk Bag.
- DO NOT EXCEED RECOMMENDED SLUMP of 4 - 8". (Too much water will cause segregation of the aggregates and will result in diminished compressive strengths.)
- DO NOT USE ADDITIVES OR ACCELERATORS WHEN MIXING THIS PRODUCT.

**10. WARRANTY:**

PACKAGE PAVEMENT warrants this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is LIMITED to the replacement of this product (as purchased) found to be defective or, at the shipping company's option, to a refund of the purchase price. In the event of a claim under this warranty, notice must be given to PACKAGE PAVEMENT in writing. This limited warranty is issued and accepted in lieu of all other express warranties and excludes liability for consequential damages.

**TECHNICAL DATA**

**COMPRESSIVE STRENGTH TESTS:**

<b>1 DAY</b>	_____	<b>3300 psi.*</b>
<b>3 DAY</b>	_____	<b>6900 psi.*</b>
<b>7 DAY</b>	_____	<b>7600 psi.*</b>
<b>28 DAY</b>	_____	<b>8800 psi.*</b>

**NOTICE:**

The results listed may vary based on in-field conditions on the job, including but not limited to; mixing methods and equipment, application methods, temperatures and curing conditions.

Independently Tested by Advance Testing Co, Inc.

**PRODUCT DATA**

**11. TECHNICAL SERVICES:**

Please contact us before using the product if you have any questions regarding its use.

Email: sales@packagepavement.com  
 Web: www.packagepavement.com  
 Phone: (800) 724-8193 Fax: (845) 221-0433

**12. CAUTION:**

KEEP OUT OF REACH OF CHILDREN. Read application and mixing instructions before using this product. CAUTION! Contains portland cement and silica sand. May be irritating to eyes and nose. Prolonged inhalation may cause delayed lung injury, including silicosis and possibly cancer. Avoid eye contact or prolonged contact with skin. After use, wash skin thoroughly with water for at least 15 minutes. If irritation persists, consult a physician immediately. Dust mask, eye protection and gloves are recommended when handling or opening this package.

**BAG WEIGHT(S):** \_\_\_\_\_ **PACKAGING**  
 REGULAR ..... 80 lb (36.2 kg)  
 BULK ..... 3000 lb (1361 kg)

**BAG YIELD:** \_\_\_\_\_ **REG. (80 LB BAG):**  
 0.67 cu. ft.  
**BULK (3000 lb BAG):**  
 25 cu. ft.

**WATER (AVG/MAX):** \_\_\_\_\_ **REG. (80 LB BAG):**  
 AVERAGE ..... 0.80 gal. (3.0 liters)  
 MAXIMUM ..... 0.90 gal. (3.4 liters)

**WATER (AVG/MAX):** \_\_\_\_\_ **BULK (3000 LB BAG):**  
 AVERAGE ..... 28 gal. (106.0 liters)  
 MAXIMUM ..... 34 gal. (128.7 liters)

**SLUMP:** \_\_\_\_\_ **6.00 Inches**  
 (ASTM C143)

**% AIR** \_\_\_\_\_ **5.0% (+/- 1.5%)**

**STRENGTH:** \_\_\_\_\_ **5000+ psi @ 28 Days**



JD - 9/21