



# AE4000 CONCRETE MIX

## AIR ENTRAINED CONCRETE

**1. PRODUCT NAME:** AE4000 CONCRETE MIX

**2. ITEM CODE:** AE4080 / AE4080s

**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. PRODUCT DESCRIPTION

PACKAGE PAVEMENT Air Entrained 4000 psi Concrete Mix is a performance engineered concrete suitable for use in all applications that require optimum strength and durability. It provides an air entrained, rheology modified structural concrete with a minimum 28-day compressive strength of 4000+ psi. AE4000 provides a cohesive performance based concrete mix for use in a variety of construction applications.

### 5. COMPOSITION

AE4000 is a blend of fine sand (ASTM C-33) and coarse (DOT #1 Stone) aggregates, Portland Cement, Fly Ash, and a combination of proprietary admixtures.

### 6. TECHNICAL DATA

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" - 6" depending on environmental factors.

### 7. MIXING

Optimum Water / Cement Ratio should be used to maintain a 4-6" slump (See product info on the right). Add approximately 75% of the water requirements to the mixer, then proceed to add AE4000 Concrete Mix. 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.

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### 8. FINISHING

After Placing the product as per standard industry practices, you can proceed to create the desired finish. Follow ACI (American Concrete Institute) Standards for the finishing of this product.

### 9. CURING

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.

### 10. SAFETY & HANDLING

Always wear dust masks, goggles, and gloves while using to avoid contact with the product. Exposure to Portland cement and sand dust over long periods of time can cause silicosis. The alkalinity of Portland can also cause severe burns if used without personal protection. If the product comes in contact with eyes, rinse them thoroughly with water and see a physician without delay.

### 11. 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.

### 12. WARRANTY

PACKAGE PAVEMENT® warrants this product to be of merchantable quality when used in accordance with the instructions herein. We will not be liable for incidental or consequential damages, as defined under the uniform commercial code, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or other than the intended use. User shall determine the suitability of the product for its intended use and user alone assumes all risks and liabilities in connection therewith. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from the date it was, or reasonably should have been, found.

#### TECHNICAL DATA

### COMPRESSIVE STRENGTH INFO:

|        |            |              |                 |
|--------|------------|--------------|-----------------|
| 3 DAY  | 2000 psi.* | Slump:       | 5.0"            |
| 7 DAY  | 5000 psi.* | Air Content: | 4.8%            |
| 28 DAY | 5800 psi.* | Unit Weight: | 148.2 lb/cu.ft. |
|        |            | Yield:       | 0.803           |

#### General Water Requirements Per Bag:

- 0.78 gal per 80# Bag
- 29.2 gal per 3000# Bulk Bag

#### 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.