

# ***FAST SETTING GRAVEL (CONCRETE) MIX***

## ***5,000 PLUS psi***

**Pre-Blended Commercial Grade Concrete**

**CONCRETE**

**STRUCTURAL**

### ***MANUFACTURER:***

Ace-Crete Products, Inc.  
4 Rita Street • Syosset, NY 11791  
(516) 921-9595 • Fax (516) 921-9575

### ***PRODUCT DESCRIPTION:***

*ACE-CRETE FAST SETTING GRAVEL MIX* is a single component product, consisting of Portland Cement (ASTM C-150), finely graded sand (ASTM C-33), sized natural gravel (ASTM C-33), and special additives, scientifically blended to a uniform mixture and packaged at our manufacturing facility in Bayville, New Jersey. *ACE-CRETE FAST SETTING GRAVEL MIX* meets and exceeds the requirements of ASTM C-387, latest revision, and Federal Quality Standard USCE CRD-C-74.

### ***USES:***

- ▶ For concrete 2" thick or more
- ▶ Footings
- ▶ Foundations
- ▶ Walls and floors
- ▶ Walks and patios
- ▶ Steps and platforms
- ▶ Driveways
- ▶ Poles and stanchions

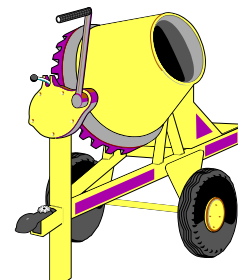
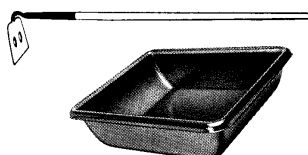
### ***ADVANTAGES***

- ▶ Fast Setting
- ▶ Ready to use, just add water
- ▶ Eliminates dry mixing of multiple ingredients
- ▶ Plant blended, quality controlled mix design

### ***INSTALLATION:***

#### **Surface Preparation:**

Prepare any necessary forms or holes to be filled prior to mixing. When applying over old concrete, be sure the base concrete is clean and free of dirt, dust, oils or paints that will inhibit bond. The use of EMPIRE BLENDED EM-BOND C is recommended where increased bond is desired.



#### **Mixing:**

Place material in a clean, suitable container (bucket, mixing box, wheelbarrow or power mixer). For each 20 pounds of dry material use approximately 1 quart of water. Add  $\frac{3}{4}$  of the mixing water and blend together. Mix until all liquid is absorbed. This will be a very stiff mix and will allow the addition of more liquid to the mix without over-watering. Add the balance of liquid required to achieve a fully wetted mix with the proper slump. Do not over-water. Exact amount of water will vary depending on desired slump and consistency.

#### **Placement:**

After placing *ACE-CRETE FAST SETTING GRAVEL MIX*, puddle the mix with a stick or rod to eliminate any voids in the material. Level the work with a straight edge. After leveling, allow concrete to set until all bleed water has evaporated before troweling. Choice of tool used in finishing is determined by the finish desired. A mason's brush or broom pulled across the top after floating or troweling will provide a slip resistant surface. To form a smooth edge, use a steel edging tool.

#### **Curing:**

Allow newly placed concrete to set firmly, then keep moist for 3 days by covering with damp burlap and fogging with water.

#### **Coverage:**

A 55 pound bag will yield approximately  $\frac{1}{2}$  (0.45) cubic foot. Each 10 pounds of material yields approximately 1 square foot, 1" thick (1' x 1' x 1").

**Packaging:**

Available in 55 pound multi-ply, recyclable paper bags.

**Color:**

Cement gray. EMPIRE BLENDED RAINBOW CEMENT COLORS may be added to achieve a colored finish, at the rate of 1 pound per 55 pound bag.

**TECHNICAL DATA:**

Meets or exceeds the requirements of ASTM C-387

Compressive Strength (ASTM C-39):

4 x 8 Cylinders

3 Hours	830 psi
6 Hours	960 psi
1 Day	2,200 psi
3 Days	4,100 psi
7 Days	5,620 psi
28 Days	6,090 psi

Slump (ASTM C-143) . . . . . 3.00"

Air Content (ASTM C-231) . . . . . 3.5%\*

Set time (ASTM C-266)

Initial	16 minutes
Final	23 minutes

The contents of this bag when mixed with potable water consistent to achieve a 3 inch slump @ 45° F and kept moist while curing will attain a compressive strength of 4,000 psi in 28 days.

The temperature of concrete when placed should not exceed 85° F. Concrete should not be re-tempered at any time.

\* Air shown is for lab samples mixed by hand. When materials are machine mixed, you should expect air content of 6% ± 1 ½ %.

**LIMITATIONS:**

Do not apply to frozen surfaces or if temperature will fall below 40°F within 24 hours.

**CAUTION:**

Contains Portland Cement CAS #65997-15-1. Freshly mixed cement products may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water. If any product gets into the eye, rinse immediately and repeatedly with water. If ingested, **do not** induce vomiting and get prompt medical attention. Also contains Sand CAS #14808-60-7. Avoid breathing dust. Prolonged exposure to dust may cause delayed lung injury (silicosis) or cancer IARU Class 2A. Wear NIOSH approved mask for silica dust. **Keep Out Of Reach Of Children.**

**WARRANTY:**

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either Ace-Crete Products or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.