



# MAXIMIZER® CONCRETE

Sakrete MAXIMIZER® Concrete is a specially formulated high yield, high strength mixture of structural lightweight aggregate and cement.

## FEATURES

- 67% more by volume than standard concrete
- Excellent workability
- Air entrained for improved freeze/thaw resistance
- Exceeds applicable provisions of ASTM C387

## APPLICATIONS:

- High-rise structural applications and repairs
- Ideal for elevated slabs and walkways
- Steps
- On grade or suspended slabs
- Anywhere a typical concrete mix can be used

## TECHNICAL DATA

Compressive Strength (ASTM C 387)

7 day 4000 psi

28 day 5500 psi

## SAFETY:

READ and UNDERSTAND the Material Safety Data Sheet (MSDS) before using this product. WARNING: Wear protective clothing and equipment. See HMIS block. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA). KEEP OUT OF REACH OF CHILDREN.

## PREPARATION:

### For slabs, patios, driveways, curbs, and steps:

The area must be properly prepared by removing any grass, debris, or materials that would not allow for placing and leveling the forms. Forms should be tapped securely in place and staked to assure that they remain level and in place prior to and during the MAXIMIZER® Concrete Mix application.

### For posts:

The hole should be made deep (typically ½ of the above ground post height) and wide (typically 3 times the diameter of the post) enough to assure the proper support for its use and for enough Sakrete MAXIMIZER® to be placed around it.

## MIXING:

The Sakrete MAXIMIZER® Concrete Mix can be mixed in a mechanical concrete mixer or by hand using a wheelbarrow.

1. Empty entire contents of bag into mortar box, wheelbarrow or mechanical mixer. When mixing by hand, form a crater for adding water.

(NOTE: If only part of the bag is to be used, thoroughly mix the dry contents and return the unused portion to the bag.)

2. Thoroughly blend dry materials. Then add clean water in small amounts gradually, at a rate of up to approximately 2 1/3 gallons per 80lb. bag (a little less water for a stiffer mix and a little more for a more workable mixture). Add small amounts of water as mix gets closer to desired workability, thoroughly mixing with each addition. Avoid a wet (or soupy) mix, which will lower concrete strength and make proper finishing difficult. The final mixture should have a thick consistency. In cold weather, use warm water to accelerate set, in warm or hot weather, use cool water or ice water to slow setting time.

**PLACEMENT:** Minimum 2" thick

### For slabs, patios, driveways, curbs, and steps:

1. Place concrete into form and fill to the full depth. Continue until the form is completely filled assuring the MAXIMIZER® reaches the top of form.

2. After the form is completely filled begin striking the concrete by using a straight board. Place the board across the top of the concrete resting on the forms and begin moving the board in a zig zag (saw motion) to smooth the surface of the MAXIMIZER® Concrete. Continue until all of the concrete is addressed and smooth.

3. Use a concrete or bull float to float the surface to help level any ridges and fill any voids.

4. When the concrete is slightly firm to the touch, it may be "finished". For a textured surface, use a broom or brush. For a smooth surface, finish with a steel trowel (CAUTION: Finishing before concrete firms can cause blistering).

5. After finishing, cover with wet cloth or plastic to wet cure. Protect from extreme temperatures, wind and low humidity during curing. Longer curing time is necessary at lower temperatures.



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## For posts:

1. Place post in the center of the prepared hole.
2. Shovel or dump the fresh concrete into place and consolidate with rod, stick or vibrator.
3. Place enough concrete to assure it is filled to the top of the hole or slightly higher than the ground.

## Repairing Concrete:

1. When repairing concrete, square-up the opening to be patched as much as possible.
2. Remove any loose materials
3. Clean and dampen the patch area thoroughly just before placing the fresh concrete.
4. Place concrete and smooth to desired finish
5. Use of bonding agents may be helpful in some repairs.

## PACKAGING:

80lb. bag (36.2kg) 1 cubic foot

## WEIGHT/DENSITY:

100 lbs. Wet - when mixed as directed with water

96 lbs. Dry (+/- 4 lbs.) – when cured

## ENVIRONMENTAL ADVISORY:

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

**WARNING! CAUSES IRRITATION - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Exposure may result in irritation of the skin, eyes or nasal passages from alkali in Portland cement. When wet, contact with the skin or eyes may result in irritation or burns. FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get prompt medical attention; for skin, wash thoroughly with plenty of soap and water. If irritation persists, get medical attention. WARNING! HARMFUL IF INHALED - Avoid breathing dust. Keep container closed. Use with adequate ventilation. Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. Crystalline Silica has been classified by IARC and NTP as a carcinogen.**

## LIMITED 1 YEAR WARRANTY FROM THE DATE OF MANUFACTURE:

SAKRETE of North America warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. SAKRETE will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by SAKRETE for its use, and SAKRETE shall not be liable otherwise. Replacement of any defective product or, at SAKRETE's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and SAKRETE shall in no event be liable for any damages in excess of the purchase price of the defective product. SAKRETE SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES. This Warranty constitutes the sole warranty given by SAKRETE in connection with this product, and SAKRETE has authorized no person to make or give any other warranties or representation, oral or written, on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of SAKRETE of North America.