Sakrete® Fast Setting Concrete Mix is a preblended fast setting mixture of special cementitious materials, sand and coarse aggregate. For projects where a rapid set is needed to allow for same day use. For setting posts and poles without mixing or bracing. For slab placement where concrete thickness exceeds 2” (51 mm).

**Features:**
- High strength 4,000 psi
- Full depth applications 2” (51 mm) or greater
- Ideal for structural applications requiring a small volume of concrete
- Rapid setting in approximately 1/2 hour resulting in same day use

**Use For:**
- Setting fence posts
- Driveways, slabs, patios, walkways
- Curb
- Stairs
- Ramps
- Structural applications requiring a small volume of concrete

**Yield/Water/Coverage:**

<table>
<thead>
<tr>
<th>Bag Size</th>
<th>Yield</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 lb (22.6 kg)</td>
<td>0.38 ft$^3$ (.01 m$^3$)</td>
<td>2.5 to 3 qts (2.4 - 2.9 L)</td>
</tr>
</tbody>
</table>

To determine coverage: Multiply Length (feet) x Width (feet) x Thickness (inches) and divide by 12. Then divide by .38 to determine the numbers of bags needed. See Calculator on Sakrete.com for assistance. Yield and water are approximate.

**Post Setting - Based on Average 10” Diameter Hole:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Bags Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>12” (305 mm)</td>
<td>1.25 bags</td>
</tr>
<tr>
<td>18” (457 mm)</td>
<td>2 bags</td>
</tr>
<tr>
<td>24” (610 mm)</td>
<td>2.5 bags</td>
</tr>
<tr>
<td>30” (762 mm)</td>
<td>3 bags</td>
</tr>
</tbody>
</table>

**Technical Data:**
Sakrete Fast Setting Concrete Mix meets or exceeds the compressive strength requirements of ASTM C387.
Compressive Strength ASTM C39
3 days = 2,500 psi (17 MPa)
7 days = 3,500 psi (24 MPa)
28 days = 4,000 psi (28 MPa)

**Slump Range = 2” - 3” (50 - 75 mm) DIVISION 3 Structural Concrete – 03 31 00**

**Color:**
- Gray

**Preparation/Application:**
For best results all materials should be stored between 40°F (4°C) and 80°F (27°C) 24 hours prior to installation.
Refer to:
- ACI 302.1 Guide for Concrete Flooring and Slab Construction
- ACI 304.1 Guide for Measuring, Mixing, Transportation and Placing Concrete
- ACI 305R Guide to Hot Weather Concrete
- ACI 306R Guide to Cold Weather Concrete

**Posts and Poles:**
1. Dig hole to required depth and diameter (depth should be 1/3 the length of the post or pole and hole should be 3 times the diameter of the pole or post width). Place 4” to 6” (102 mm to 152 mm) of gravel as a base and compact.
2. Place the post or pole in the center of the hole and onto the gravel base.
3. Level and support post or pole in place.
4. Fill hole 1/3 full of water.
5. Then add Concrete directly from bag.
6. If surface is dry add more water. Excess surface water is not a problem.
7. Re-check the level of the post.
8. Slope top of mix to allow water to drain away.

**Flatwork (Slabs, sidewalks, walkways, etc.):**
CAUTION: Do not mix more than can be placed and troweled in 15 minutes.
1. Stake out the area where the concrete will be placed.
2. Cut and remove all soil, grass, sod, etc.
3. For improved drainage place several inches of gravel into the excavated area. Remember to allow enough depth for both the gravel and a minimum of 4” (102 mm) of concrete.
4. Place forms in the desired area assuring that they are level, square, and all corners sealed so no premixed material can escape once placed.
5. Place the concrete into the forms to full depth.
6. Consolidate by moving into corners and low areas to assure there are no voids.
7. Using a straight edge (a 2 x 4 works well) level the surface of the concrete using a back and forth sawing motion.
8. Using a float or trowel smooth the surface to remove imperfections. This is not a final trowel finish, so complete this quickly. Too much troweling at this point will cause dusting and weaken the surface.
9. Using a concrete grooving tool, cut joints into the concrete every 3 - 4 ft (.9 - 1.2 m). Expansion joints should be placed every 8 ft x 12 ft (2.4 x 3.7 m) in each direction and must extend through the entire depth of the slab.
10. Once the concrete has stiffened slightly and all water has evaporated from the surface use the trowel to put a smooth level surface on the concrete. Applying a light broom finish will aid with traction and remove any imperfections left from the trowel.
11. Forms can be removed the following day.
Repaired (greater than 2" (51 mm) in depth):
1. Surfaces to be repaired must be sound, dimensionally stable, and clean.
2. Slick or sealed surfaces must be thoroughly roughened to an ICRI CSP of
   3 to 5.
3. Sides of repair area must be squared off.
4. Clean all reinforcing steel to bare white metal and coat with a rust
   preventative if not covering within 8 hours.
5. All surfaces that will come into contact with the concrete mix should be
   brought to a SSD (Surface Saturated Dry condition) before application of
   the material.
6. Clean and remove all loose materials and debris before proceeding
7. Place the mixed concrete mix into the area that is being repaired.
8. Use a float to remove any surface imperfections.

Mixing:
1. Mix only the amount of material that can be placed within 15 minutes.
2. Empty contents of Sakrete Fast Setting Concrete into a wheel barrel or
   mortar pan forming a crater in the center of the dry mix for the addition of
   clean potable water (refer to chart above for water amount). Mix with a
   shovel or hoe until all the material is mixed to a uniform consistency.
   Projects requiring multiple bags are mixed much easier with a mechanical
   concrete mixer.
3. Add enough clean potable water to achieve a workable mix. Add additional
   water if needed but AVOID A SOUPY MIX. Excess water reduces strength and
   durability and can cause cracking, dusting or scaling.

Curing (Required only for flat work):
1. Proper curing is critical for sound results. Curing means maintaining proper
   moisture and temperature. The concrete must be kept continuously moist for
   several days.
2. Covering the concrete slab with plastic is a practical way to help retain
   moisture. Place plastic after concrete has set.
3. Sides of repair area must be squared off.
4. New concrete can be opened to foot traffic in 6 hours and vehicular traffic
   in 48 hours.

Precautionary statements: Wash hands thoroughly after handling. Do not
eat, drink or smoke when using this product. Contaminated work clothing
must not be allowed out of the workplace. Obtain special instructions
before use. Do not handle until all safety precautions have been read and
understood. Wear protective gloves/protective clothing/eye protection/face
protection. Use only outdoors or in a well-ventilated area. Do not breathe
dust. If exposed or concerned: Get medical advice/attention. If swallowed:
Immediately call a poison center/doctor. Rinse mouth. If on skin: Wash
with plenty of water. Take off contaminated clothing and wash it before
reuse. If skin irritation or rash occurs: Get medical advice/attention. If in
eyes: Rinse cautiously with water for several minutes. Remove contact
lenses, if present and easy to do. Continue rinsing. Immediately call a
poison center/doctor. If inhaled: Remove person to fresh air and keep
comfortable for breathing. Call a poison center/doctor if you feel unwell.
Store locked up. Store in a well-ventilated place. Keep container tightly
closed. Dispose of contents and container in accordance with all local,
regional, national and international regulations.


KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.
For additional information, call the manufacturer at 866–725–7383 or
Chemtrec at 800–424–9300 or 703–527–3887 outside of USA. Refer to
Safety Data Sheet (SDS) for further information.

Limited Product Warranty:
The manufacturer warrants that this product is free from defects in material
and workmanship and will perform per the manufacturer product literature in
effect at the time of purchase. This warranty is for one (1) year from the date
of purchase. Any implied warranty of merchantability or fitness for a particular
purpose is limited to the duration of this express warranty. This warranty
applied only if the product is used, in strict accord with manufacturer published
instructions. The sole and exclusive remedy under this warranty is replacement
of the defective product or refund of the purchase price, at manufacturer’s
option. CONSEQUENTIAL, SPECIAL, AND INCIDENTAL DAMAGES ARE NOT
RECOVERABLE UNDER THIS WARRANTY. All claims under this warranty must be
submitted to manufacturer by calling 866-725-7383. This warranty gives you
specific legal rights, and you may also have other rights which vary from state
to state.

Sakrete® and the background design are registered trademarks of SAKRETE of
SAKRETE® is manufactured under license from SAKRETE of North America LLC.
For current and complete product information, contact SAKRETE Technical Services toll-free
at 866-725-7383 or visit Sakrete.com

Safety:

HAZARD STATEMENT: Harmful if swallowed. Causes skin irritation. Causes
serious eye damage. May cause an allergic skin reaction. May cause
cancer. May cause respiratory irritation. Causes damage to lungs through
prolonged or repeated exposure.