SAND MIX TOPPING & BEDDING MIX

The Pro's Choice Since 1936

Sakrete® Sand Mix/Topping & Bedding Mix is a preblended mixture of sand and cementitious materials. A multipurpose product designed for a variety of projects. Sakrete Sand Mix is often referred to as a mortar in many "how to manuals" and various pieces of literature. Sakrete Sand Mix is a high strength mortar and can be used in mortars beds under ceramic tile but is not recommended for laying brick or block.

Features:

- High Strength 5,000 psi
- Applications 1/2" to 2" (12.7 to 50 mm)
- Ideal for projects requiring small structural applications
- Mortar Bed under ceramic tile installations

Use For:

- Repairing wide cracks in concrete and masonry
- Driveways, slabs, patios, walkways
- Curbs
- Stairs
- Ramps
- Concrete overlays
- Large masonry crack repairs
- Filling masonry block cores

Yield/Water/Coverage:

Bag Size	Yield	Water
40 lb (18.1 kg)	0.30 ft^3 (0.008 m^3)	2.3 qts (2.2 L)
60 lb (27.2 kg)	0.45 ft^3 (0.012 m^3)	3.5 qts (3.3 L)
80 lb (36.3 kg)	0.6 ft^3 (0.016 m^3)	4.6 qts (4.4 L)

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

Technical Data:

Sakrete Fast Setting Concrete Mix meets or exceeds the compressive strength requirements of ASTM C387.
Compressive Strength ASTM C39
7 days = 3,000 psi (21 MPa)
28 days = 5,000 psi (34 MPa)

DIVISION 3
Concrete Topping – 03 53 00

DIVISION 9
Mortar Bed Tiling – 09 32 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

Concrete Overlay:

1. Remove all loose and foreign matter or materials such as sealers, paints, curing compounds, or glues that will interfere with bonding. The existing substrate must be sound, solid, and clean.
2. Place forms to required finished height and to contain the material being applied.
3. Dampen concrete surface bringing it to a SSD (Surface Saturated Dry) condition before application of the material.
4. Mix a small amount of material with water to make a slurry consistency.
5. Brush onto the surface to be overlaid. For enhanced bond use Sakrete Bonder & Fortifier as the brush on primer or admixture.
6. Place and consolidate mix.
7. Using a straight edge to strike the surface by rodding back and forth to level with the top of the forms.
8. Use a float to remove surface imperfections. A jointer tool can also be used at this time.
9. Existing joints must be honored. Expansion joints must be full depth of overlaid Sand Mix. Expansion joints should be placed every 8 ft x 12 ft (2.4 x 3.7 m) in each direction.
10. Allow mix to stiffen until thumb print hard and the surface water has evaporated. Stiffening time will vary with weather conditions.
11. Use a steel trowel or a broom to achieve the desired finish.

Bedding Mix for Pavers:

1. Stake out area where the pavers are to be placed.
2. Cut out and remove all soil, grass, sod, etc. to allow for desired finished height of pavers.
3. Place a layer of compacted sand about 2" (50 mm) thick. This will serve as a base for the sand mix. Failure to completely compact sand will cause pavers to shift and settle.
4. Place a 1" (25 mm) layer of mixed Sand Mix Topping & Bedding Mix onto the sand and set the pavers into the mix. Use a level to level them as you move forward.
5. After placing the pavers, fill the joints with additional Sand Mix Topping & Bedding Mix. Sand Mix can be applied to joints using a grout bag.
6. Be careful not to allow Sand Mix to dry on pavers as this will cause staining.

Crack repairs deeper or wider than 1" (25 mm):

1. Use a hose with a strong stream of water to dislodge and clean debris from the crack. Allow water to soak in. The surfaces should be brought to a SSD (Surface Saturated Dry) condition before application of material.

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2. Prime using Sakrete Bonder and Fortifier as the brush on primer prior to the application of the material or mix a small amount of material with water to make a slurry consistency.
3. Place the mixed Sakrete Sand Mix Topping & Bedding Mix into the area that is being repaired and consolidate using a trowel.
4. Smooth surface with a trowel to the same level of the existing concrete slab.

Refer to:
- ACI 305R Guide to Hot Weather Concreting
- ACI 306R Guide to Cold Weather Concreting

For use as a Mortar Bed:

Sakrete Sand Mix must be mixed to a dry pack consistency adding just enough water to allow for a dense mortar bed.
Installations must follow ANSI 108.1A, ANSI 108.1B or ANSI 108.1C for wet set or mortar bed installations and the TCNA (Tile Council of North America for Ceramic Tile Installations.

Mixing:

1. Empty contents of Sakrete Sand Mix into a wheelbarrow or mortar pan forming a crater in the center of the dry mix for the addition of clean potable water. Projects requiring multiple bags are mixed much easier with a mechanical concrete mixer.
2. Add clean potable water (see table for water amounts) or enough 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:

(Curing is not required when used to repair cracks)

1. Proper curing is critical for sound results. Curing means maintaining proper moisture and temperature. The sand mix must be kept continuously moist for several days.
2. Covering the sand mix slab with plastic is a practical way to help retain moisture. Place plastic after concrete has set.
3. If surface begins to appear dry remove the plastic moisten the surface and replace the plastic.
4. New sand mix can be opened to foot traffic in 24 hours and vehicular traffic in 72 hours.
5. Keep from freezing for 48 hours.

Precautions:

Air, mix and substrate temperatures should be between 40°F (4°C) and 90°F (32°C) with no rain in the forecast within 24 hours of application. For applications outside this range of temperatures and conditions, contact Sakrete Technical Service.

- Colder temperatures or higher humidity conditions will retard set times
- Use only clean mixing container and tools
- Do not over trowel
- Do not overwater
- Do not add any materials other than clean potable water or Sakrete Bonder and Fortifier. See Technical Data Sheet for mixing instructions.

NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.

Safety:

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

Limited Product Warranty:

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.