



BC BUILDING PRODUCTS
THE ENVELOPE SPECIALISTS

TECHNICAL DATA SHEET

Basalite Sakrete Concrete Mix

Manufacturer: Basalite / SAKRETE

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DESCRIPTION:

SAKRETE® CONCRETE MIX is a pre-blended mix of sand, aggregate and Portland cement packaged in 25kg bags. It is suitable for any general concrete repair or new concrete construction. SAKRETE® CONCRETE MIX is ideal for use where more than a 2 inch (51mm) thickness is required.

USES:

SAKRETE® CONCRETE MIX is recommended for the construction or repair of foundations, floors, retaining walls, sidewalks, patio slabs, driveways and setting posts.

PROCEDURES:

Preparation: All surfaces to be in contact with SAKRETE® CONCRETE MIX must be entirely free from oil, grease or any other foreign substances which interfere with the bond and chemical action of the material. Roughen the exposed surfaces and clean thoroughly with potable water, leaving the concrete saturated but free of standing water.

Mixing: Empty the entire dry contents of the bag into a wheelbarrow or onto a clean, smooth surface and mix thoroughly. Replace the portion not to be used back into the bag. Form a depression in the middle of the dry mix to add water. Add approximately 2.0 liters of water per 25 kg bag and mix thoroughly. If the concrete mix is too stiff and not workable, carefully add some more water and mix well to get the desired consistency and slump. Avoid a soupy mix. In cold weather, use warm water to accelerate the set. Protect from freezing. Concrete mixer is recommended for larger projects.

Placing: Place concrete uniformly by tamping and spading with a short-handled, square-end shovel to compact firmly and eliminate voids and honeycombing.

Finishing: Level the work with a straight edged board, using a sawing motion across the concrete. Using a wood float, level off any remaining ridges and/or imperfections. Do not overwork the surface. After leveling, allow the concrete to harden so that a foot will leave only a slight imprint. The concrete may now be broomed, floated or trowel finished as desired. Use edging tools.

Curing: New concrete should immediately be protected for premature drying by covering with a plastic sheet or plywood for 24 hours. Care should be taken not to disturb the surface finish. Allow it to set one day, then keep it moist for at least three days. Refer to ACI308 Guide to Curing Concrete.

TECHNICAL DATA:

The data outlined below is representative of typical values achievable under controlled laboratory conditions. Results obtained in the field may vary from those stated. Meeting Standard ASTM C387.

	Test Method	
Slump:	CSA A23.2-5C/ ASTM C143	75±25 mm
Working Time:		1 hour
Density: kg/m ³ (lb/ft ³)	CSA A23.2-6C/ ASTM C138	2344 (146)
Compressive Strength: (minimum) 28 days	CSA A 23.2-9C/ ASTM C39	MPa (psi) 27.5 (4000)

Bag	Yield (approximate)
25 kg (55 lbs.)	0.0116 m ³ (0.414 ft ³)
66 sacks	1 yard ³
86 sacks	1 m ³

LIMITATIONS:

Adhering to recommended water additions is very important. Exceeding the maximum recommended water content per sack will result in inferior physical properties. Concrete will not bond well to wood, asphalt, or any other foreign surfaces. A bonding agent is recommended for maximum adhesion to old concrete surfaces. SAKRETE® CONCRETE MIX is not fast setting, for a fast setting mix, use SAKRETE® FAST SET. For applications requiring thickness under 2 inches (51mm), use SAKRETE® TOPPING MIX.

Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.

PACKAGING:

SAKRETE® CONCRETE MIX is packaged in 25kg (55lbs) paper bags. All Basalite Dry Mix can be custom-packaged to suit specific project requirements.

SAFETY PRECAUTIONS:

SAKRETE® CONCRETE MIX contains Portland cement and other carefully selected additives. Normal safety wear such as rubber gloves, dust mask and safety glasses used to handle conventional cement-based products should be worn. Safety Data Sheets is available at www.basalite.ca.