

DESCRIPTION:

SAKRETE® FAST SET 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 where a fast set and early strength gain is required.

USES:

SAKRETE® FAST SET is recommended for setting posts, construction or repair of foundations, floors, retaining walls, sidewalks, patio slabs, and driveways. SAKRETE® FAST SET is ideal for uses where more than a 5 cm (2 inch) thickness is required.

PROCEDURES:

Preparation: All surfaces to be in contact with SAKRETE® FAST SET 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. Ensure that there is no water in the holes used to set the fence posts.

Mixing: Empty the entire dry contents of SAKRETE® FAST SET 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 and add up to 2.3 litres (2.5 US quarts) of water per full bag. Mix thoroughly. If the mix is too stiff add more water until the desired consistency is obtained. Avoid a “soupy” mix, too much water will weaken the concrete. In cold weather, use warm water in order to accelerate the set. Protect from freezing. A concrete mixer is recommended for larger projects. Only mix the amount of material that can be easily placed in fifteen minutes.

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

Curing: The 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 ACI 308 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:		15 minutes
Density: kg/m ³ (lb/ft ³)	CSA A23.2-6C/ ASTM C138	2282 (142)
Compressive Strength: (minimum)		MPa (psi)
1 day	CSA A 23.2-9C/ ASTM C39	6.0 (870)
7 days		20 (2900)
28 days		27.5 (4000)
	Bag	Yield
	25 kg (55 lb.)	0.0120 cubic meters (0.425 cubic ft)

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. Discard any material that has set, do not add more water and remix. For fast setting applications requiring thicknesses under 50mm (2 inches) use BASALITE FAST PATCH. Warmer temperatures will accelerate set and colder temperatures will slow set. Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.

PACKAGING:

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

SAFETY PRECAUTIONS:

SAKRETE® FAST SET 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.