

**DESCRIPTION:** SAKRETE FAST SET is a pre-blended mix of fine and coarse aggregate and a Portland cement. SAKRETE FAST SET 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 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 and reduce water content to 1.9 litres per sack 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 or a trowel to compact firmly and eliminate voids and honeycombing.

**CURING:** The new concrete should immediately be protected from premature drying by covering it with a plastic sheet or plywood for 24 hours. Care should be taken not to disturb the surface finish. Allow it one day to set, then keep it moist for at least three days.

**YIELD:** One 25 kg (55 lb.) sack yields .012 cubic metres (.43 cubic feet).

**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.

<u>TEST</u>	<u>TEST METHOD</u>	<u>VALUE</u>
Slump	ASTM C 387	75 - 125 mm (3 to 5 inches)
Set Time	ASTM C 266	60 minutes
Air Content	ASTM C 387	4 to 6%
Compressive Strength	ASTM C 387	
MPa (psi)		
1 day		6.0 (870)
7 day		20.0 (2900)
28 day		25.0 (3625)
Density	ASTM C 387	2282 kg/m <sup>3</sup> (142 pcf)

**LIMITATIONS:** Adhering to recommended water additions is very important. Exceeding the maximum recommended water content per sack will result in inferior physical properties.

SAKRETE FAST SET 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 which has set, do not add more water and re-mix.

For fast setting applications requiring thicknesses under 50 mm (2 inches) use BASALITE FAST PATCH.

Warmer temperatures will accelerate set. Colder temperatures will slow set.

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

**PACKAGING:** SAKRETE FAST SET is packaged in 25 kg (55 lb.) paper bags.

All Basalite Dry Mix can be custom-packaged to suit specific project requirements.

**SAFETY PRECAUTIONS:** SAKRETE FAST SET contains Portland cement. Normal safety wear such as rubber gloves, dust masks and safety glasses, used to handle conventional cement-based products, should be worn. Material Safety Data Sheets are available on request.