

# SPEED SET PATCHING CEMENT

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## PRODUCT

TARGET® Speed Set is a blend of special cements, silica sand and admixtures designed for patching of concrete.

## USES

TARGET Speed Set is designed for use as a repair material for cast-in-place or precast concrete where rapid set and strength gain of the repair are required. Typical applications include:

- Sidewalks and curbs
- Balconies
- Concrete floors
- Stairs

## FEATURES

- Rapid set
- High early strength
- Grey color similar to concrete
- Excellent workability
- Good bond characteristics
- Feather edge capability

## SETTING TIME

When mixed with water to give a workable mix at 18° C to 21° C (65° F to 70° F), Speed Set will remain workable for about 10 minutes and be fully set in 20 to 40 minutes depending upon the amount of water. Variations in mix temperature or the amount of water used will cause variations in setting times and the rate of strength gain.

## PROCEDURES

Thoroughly clean the surfaces to be patched, ensuring that all dust, laitance, oil and other contaminants are removed. Mechanical roughening of concrete is advisable. Bring the concrete to a saturated surface dry condition before applying TARGET Speed Set.

Mix TARGET Speed Set with clean water by adding the powder to the water and using a high shear mixer. The amount of water required per 25Kg. (55Lb.) bag will vary between 4 Lt. (1 US gals) and 5.75 Lt. (1.5 U.S. gals).

In applications over 12mm. (1/2" inch) thick extend TARGET Speed Set with clean 10mm. (3/8in.) aggregate at a rate of 7.5 Kg. (16.5 Lbs.) per bag.

Moist curing of the patch is desirable, but not normally essential, except under hot or very dry conditions.

Product performance is affected by many factors, including storage, method and conditions of application and use. User testing is ESSENTIAL to determine suitability of product for intended method of application and use. Target's SOLE WARRANTY is that the product has been manufactured to specifications. No oral or written information or advice shall increase this warranty or create new warranties. Target's SOLE LIABILITY is to replace product proved defective. In no event shall Target be liable for any consequential, indirect or other damages whether arising from negligence or otherwise.

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## TYPICAL PROPERTIES

PHYSICAL PROPERTY	TEST METHOD	TYPICAL RESULT	MAX WATER RESULT
WATER/DRY MIX RATIO, by weight		0.16 4 Lt./bag 1 US gals/bag	0.23 5.75 Lt./bag 1.5 US gals/bag
SETTING TIMES Initial Set (minutes) Final Set (minutes)	ASTM C266 (Gillmore Needles)	12 22	30 40
COMPRESSIVE STRENGTH, MPa (psi) at 1 hour at 4 hours at 24 hours at 7 days at 28 days	* CAN/CSA-A5 * ASTM C109	15.2 (2200) 20.7 (3000) 26.9 (3900) 44.1 (6400) 53.8 (7800)	8 (1160) 14 (2000) 19 (2800) 28 (4000) 38 (5500)

\* Samples were subjected to air curing at  $20 \pm 2^{\circ}\text{C}$  ( $68 \pm 3^{\circ}\text{F}$ ) and  $50 \pm 5\%$  R.H.

## YIELD

Yield will vary with the amount of water added. At maximum water addition one 25 Kg. (55 Lb.) bag will yield approximately 0.52 cubic feet or 2.3 square meters (25 square feet) at 6 mm. (1/4 inch) thickness.

## LIMITATIONS

- Do not add more water to the mix after it has started to thicken or set.
- Do not install when the temperature is less than  $3^{\circ}\text{C}$  ( $38^{\circ}\text{F}$ ).

## CAUTION

Contains Portland cement. Avoid contact with eyes or prolonged contact with skin. Protect hands with waterproof gloves. In case of contact flush thoroughly with water. For eyes, continue flushing for 15 minutes and get medical attention. Keep out of the reach of children.

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