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THE ENVELOPE SPECIALISTS

TECHNICAL DATA SHEET

TARGET Aquaplug

Manufacturer: TARGET Products (Quikrete Canada)

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8241 129 St, Surrey, BC V3W 0A6

604-540-9040 · sales@bcbp.ca · bcbp.ca

AQUAPLUG

"The Leak Stopper"

July, 2019 Page 1 of 2

PRODUCT

TARGET® Aquaplug a fast setting hydraulic cement consisting of accurately weighed hydraulic cements, non-metallic aggregate and chemical admixtures. These materials are pre-blended and require only mixing with water before use.

TARGET Aquaplug contains no chlorides or other admixtures which could promote corrosion of reinforcing steel or pre-stressing steel cables. **TARGET Aquaplug** sets within 5 minutes at 20 °C (68 °F) with little or no plastic shrinkage.



APPROXIMATE WATER ADDED, liters 22.6 kg pail (50 lb)	3.67 L (.0969 US gal)
SETTING TIME , minutes, ASTM C266 Initial set Final set	4 6
COMPRESSIVE STRENGTH , MPa at 20 °C (68 °F) at 30 minutes at 60 minutes at 7 days at 28 days	13 Mpa (1880 PSI) 15 Mpa (2180 PSI) 30 Mpa (4350 PSI) 35 Mpa (5080 PSI)
APPROXIMATE YIELD - 22.6 kg pail	12.25 L (0.43 ft ³)

TYPICAL PROPERTIES OF AQUAPLUG

NOTE: test results are based on:

- Mixing conducted at 20 °C (68 °F).as per ASTM Standards
- 50 x 50 mm cubes standard moist cured at 20 °C (68 °F) before testing for compressive strength.

USES

TARGET Aquaplug can be used in interior and exterior applications both above and below grade where fast setting is desired. Typical applications include:

- *Stopping active water leaks or seepage at defects or joints in concrete manholes, sewer pipes, tanks, elevator pits, basement walls and concrete or masonry surfaces experiencing water penetration.*
- Patching cracks and holes in concrete and masonry.
- Anchoring handrail posts or metal fixtures in concrete where high early strength is required.
- Non-structural repair and anchoring underwater.
- Temporary grouting of soil- or rock-anchor plates.

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.targetproducts.com/product-warranty
Or send a written request to Target Products Ltd., Five Concourse Parkway, Atlanta, GA 30328, USA.
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"The Leak Stopper"

July, 2019 Page 2 of 2

PROCEDURES

1. Chip out cracks and honeycombed or deteriorated concrete to a minimum depth of 20 mm and width of 20 mm (3/4 inch x 3/4 inch). Undercut or square cut edges. DO NOT use V-cut.
2. Remove all loose material from repair area.
3. Add **TARGET Aquaplug** to clean water with continuous kneading to bring to a dry pack (putty-like) consistency. Prepare only as much material as can be placed within 3 minutes of adding water. Wear waterproof gloves while handling **TARGET Aquaplug**.
4. To stop active streams of water, start at the top of the crack and work downwards, forcing **TARGET Aquaplug** in firmly. Hold in position with a trowel or by hand until slight warmth is felt or the material starts to set. For high hydrostatic pressures, bleeder tubes may be necessary to direct and control leakage during **TARGET Aquaplug** installations.
5. To anchor posts or metal fixtures in concrete, drill holes of sufficient depth to provide secure anchorage. Provide at least 10 mm (3/8 inch) clearance on all sides of posts or fixtures. Remove all dust and loose material from hole and fill with **TARGET Aquaplug**. Center post or fixture in hole. Tamp **TARGET Aquaplug** around post or fixture to minimize voids. Hold post or fixture in position until final set (approximately 6 minutes). Keep moist for 30 minutes and do not apply load to post or fixture until the desired strength is attained. For structural applications contact Target Products Ltd for technical advice.
6. Clean off excess material with a trowel or putty knife. Clean tools with water immediately after use.

Note: In colder weather (below 5 °C / 41° F) store the dry material in a warm area before use and preheat the mixing water to approximately 20 °C (68 °F). If possible, preheat the repair area with a tiger torch or similar before applying **TARGET Aquaplug**.

In warm weather (above 25 °C / 77° F) cool the mixing water with ice, if necessary, to give increased working time.

PACKAGING

TARGET Aquaplug Stock Code 9991181 is available in a convenient re-sealable 22.6 kg (50 lb) size plastic pail packaged 32 per pallet.

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