

AQUAPLUG

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PRODUCT

TARGET® Aquaplug consists of accurately weighed hydraulic cements, non-metallic aggregate and chemical admixtures. These materials are preblended and require only mixing with water before use. TARGET Aquaplug contains no chlorides or other admixtures which could promote corrosion of reinforcing steel or prestressing steel cables. TARGET Aquaplug sets within 4 minutes at 20° C (68° F) with little or no plastic shrinkage.

TYPICAL PROPERTIES OF AQUAPLUG

APPROXIMATE WATER ADDED, liters 5 kg pail (11 lb) 27.2 kg pail (60 lb)	0.8 L (0.21 US gal) 4.4 L (1.16 US gal)
SETTING TIME, minutes, ASTM C266 Initial set Final set	4 6
COMPRESSIVE STRENGTH, MPa at 30 minutes at 60 minutes at 7 days at 28 days	13 (1880 lb/in ²) 15 (2180 lb/in ²) 30 (4350 lb/in ²) 35 (5080 lb/in ²)
APPROXIMATE YIELD 5 kg pail 27.2 kg pail	2.8L (0.1 ft ³) 14.7L (0.52 ft ³)

NOTE: test results are based on:

- Mixing conducted at 20° C (68° F).
- 50 x 50mm 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. Typical applications include:

- Stopping running water or seepage at defects or joints in concrete manholes, sewer pipes, tanks, elevator pits, basement walls and concrete or masonry surfaces experiencing water penetration.
- Sealing wall/floor joints in below grade concrete or masonry walls.
- 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.

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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PROCEDURES

1. Chip out cracks and honeycombed or deteriorated concrete to a minimum depth of 20mm and width of 20mm (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 the start of mixing.
4. 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.
5. In warm weather (above 25° C / 77° F) cool the mixing water with ice, if necessary, to give increased working time.
6. To stop active streams of running water, start at the top of the crack and force 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.
7. To anchor posts or metal fixtures in concrete, drill holes of sufficient depth to provide secure anchorage. Provide at least 10mm (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.

PACKAGING

TARGET Aquaplug is available in convenient resealable plastic pails, 5 kg (11 lb) and 27.2 kg (60 lb) size.

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