

HYDRAULIC WATER-STOP CEMENT

PRODUCT No. 1126

DIVISION 3

Maintenance of Concrete
03 01 00

PRODUCT DESCRIPTION

QUIKRETE® Hydraulic Water-Stop Cement is a blend of Portland and calcium aluminate cements, silica sand and special additives. It will block running water when application is made to masonry or concrete surfaces. This special formulation allows the product to obtain high strength and rapid setting while repelling water.



PRODUCT USE

QUIKRETE® Hydraulic Water-Stop Cement solves leakage problems wherever active water is present, in all masonry and concrete above and below grade.

Use QUIKRETE® Hydraulic Water-Stop Cement for sealing around concrete pipes and for plugging leaks in:

- Foundation and retaining walls
- Chimneys
- Swimming pools, fountains and cisterns

SIZES

- 10 lb (4.5 kg) pails
- 20 lb (9.1 kg) pails
- 50 lb (22.7 kg) pails

YIELD

A 50 lb (22.7 kg) pail of QUIKRETE Hydraulic Water-Stop Cement will yield 0.42 cu ft (12 L).

COLORS

QUIKRETE® Hydraulic Water-Stop Cement is gray in color. A special white product is available for pool patching.

TECHNICAL DATA

APPLICABLE STANDARDS

ASTM International

- ASTM C109/C109M Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C191 Standard Test Method for Time of Setting of Hydraulic Cement by Vicat Needle

PHYSICAL/CHEMICAL PROPERTIES

QUIKRETE Hydraulic Water-Stop Cement provides typical physical properties as shown in Table 1, when tested in accordance with ASTM C191 and ASTM C109.

TABLE 1 – PHYSICAL PROPERTIES

<u>Curing Time</u>	<u>Compressive Strength</u>
2 hours	1,000 psi (6.9 MPa)
24 hours	2,500 psi (17.3 MPa)
7 days	4,500 psi (31.1 MPa)
28 days	5,500 psi 38.0 MPa)
Final set time	Less than 5 min.

INSTALLATION

SURFACE PREPARATION

All patch areas should be free of loose material, dirt, dust, algae and mildew. Preparation should include enlarging small cracks and holes and avoiding V-shape cuts.

METHODS

Starting at the top and working down, apply Water-Stop Cement while maintaining light pressure on the patch. Maintain pressure until initial set begins and the leaking is stopped.

MIXING

Blend 4 - 4 1/2 parts Water-Stop Cement to 1 part water, by weight. Ingredients should be mixed to form a heavy putty consistency. Do not mix more material than can be used in 2 - 3 minutes. In most cases, limit batch size to 4 - 6 oz (113 - 170 g) of powder. Using 4 1/2 oz (128 g) of powder and 1 oz (28 g) of water will provide a golf ball size mix, which is appropriate for most applications.

CURING

No special curing required.

PRECAUTIONS

Hot temperatures will reduce the setting time. At colder temperatures, below 50 degrees F (10 degrees C), use warm water.

AVAILABILITY

QUIKRETE® Hydraulic Water-Stop Cement is available at leading concrete construction supply houses and distributors. Contact QUIKRETE® Construction Products representative for the name of the nearest dealer.

WARRANTY

The QUIKRETE Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

MAINTENANCE

None required.

TECHNICAL SERVICES

The QUIKRETE® Companies maintain technical field representatives throughout the country. Contact a local distributor for the name and number of the nearest representative, or call QUIKRETE® Construction Products.

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** Refer to www.quikrete.com for the most current technical data, MSDS, and guide specifications*

