

## SPECCRETE® W-10 WATERSTOPPER PLUG CEMENT 3 TO 5 MINUTE SET HYDRAULIC CEMENT

**PRODUCT DESCRIPTION:** Speccrete® W-10 is a fast setting hydraulic cement formulated to stop active water leaks, seepage, and to withstand hydrostatic pressure and continual exposure to water in concrete and masonry. Speccrete® W-10 is non-shrinking, non-metallic and requires only potable water for mixing. Speccrete® W-10 is used above or below grade, interior or exterior to stop leaks and seepage in concrete and masonry walls and floors. Typical applications for Speccrete® W-10 include manholes, concrete pipe, basements, foundations, dams, cisterns, water reservoirs, elevator pits and swimming pools.

**BENEFITS:** STOPS RUNNING WATER OR SEEPAGE LEAKS...SETS QUICKLY FOR EMERGENCY REPAIRS...CONTROLLED EXPANSION...NON-SHRINK...MODERATE HEAT GENERATION...DELAYED 3 TO 5 MINUTE FINAL SET FOR EXTENDED WORK TIME...ECONOMICAL FOUNDATION REPAIR OPTION

**COMPOSITION:** Hydraulic cements and selected aggregates

### TECHNICAL DATA:

<b>WORKING &amp; PERFORMANCE PROPERTIES @ 70° F (21° C) (APPROXIMATE):</b>	
Initial Set per CRD-C 621:	1 minute
Final Set per CRD C-621:	3-5 minutes
Yield per 3 lb. can:	46 cubic inches / 0.026 cubic feet
Yield per 10 lb. pail:	154 cubic inches / 0.077 cubic feet
Yield per 50 lb. pail:	770 cubic inches / 0.445 cubic feet

<b>Compressive Strength per ASTM C-109:</b>	<b>Results:</b>
3 hours:	350 p.s.i. (4.3 Mpa)
1 day:	1100 p.s.i. (13.5 Mpa)
7 days:	3100 p.s.i. (38.1 Mpa)
28 days:	4200 p.s.i. (51.6 Mpa)

\*All tests above run at 16% water / powder ratio = 8.00 lbs. water (3.84 quarts) / 50.0 lbs Speccrete® W-10

### DIRECTIONS FOR USE:

**SURFACE PREPARATION:** Undercut the concrete or masonry surrounding the hole or crack to be repaired to a minimum depth and width of 3/4". Remove all loose particles, dirt and other foreign materials from the area to be patched. Pre-wet the substrate with potable water prior to installing Speccrete® W-10.

**MIXING:** Mix Speccrete® W-10 in a clean container using only enough water to obtain a stiff mix. The amount of water recommended is approximately four parts powder to one part water by weight to obtain a stiff, putty like consistency with no noticeable slump. Each 10# of Speccrete® W-10 will require approximately 1.5 pint of water. Mix thoroughly and quickly. For patching active leaks, once Speccrete® W-10 has started to set (approximately one minute) immediately force the mixed material into the void and hold the plug in place using continuous hand or trowel pressure for approximately five minutes or until final set is achieved.

**CAUTIONS:** Do not mix more than 30 seconds. Do not re-temper the mix (add extra water after initial set is achieved). Adding additional water over what is recommended will delay set times and reduce overall strength formation. Do not apply to frozen or frost filled surfaces. Hot water will help accelerate the set time in colder application environments. If faster set is desired, or higher early compressive strengths are required for injection work in crack repairs, the use of Speccrete® Speccoplug (1 minute set) is recommended.

**WARNINGS:** Refer to product M.S.D.S. (Material Safety Data Sheet) for additional safety information. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. Contains some of the following ingredients: Portland Cement (CAS 65997-15-1) Crystalline Silica (CAS 14808-60-7) Lime (CAS 1305-62-0)

**Portland Cement:** Will turn alkaline on contact with water, and is irritating to the eyes and skin. Wear gloves and safety glasses during mixing and placement. In case of accidental eye contact, flush with potable water repeatedly for 15 minutes, seek medical attention. Do not rub eyes. Wash skin thoroughly after handling and before smoking or eating. Dispose of in accordance with current local, state, and federal regulations.

**Crystalline Silica:** Avoid breathing dust. Wear OSHA or NIOSH approved respiratory protection during mixing and placement. Use with adequate ventilation.

**Crystalline Silica IARC Evaluation:** There is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the forms of quartz or cristobalite from occupational sources (Group 1). Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs. Prolonged breathing of dust will increase the risk of serious lung disease (silicosis). Some medical studies suggest a possible association between crystalline silica and the incidence of cancer in humans.

**HMIS RATING CODES:**

HEALTH:	2 - Moderate hazard
FLAMMABILITY:	0 - Minimal hazard
REACTIVITY:	0 - Minimal hazard
PERSONAL PROTECTION:	E - Safety glasses, gloves, and dust respirator

**PACKAGING:** 3# (1.36 kg), 10# (4.5 kg), and 50# (22.70 kg) containers.

**STORAGE:** 40° to 90° F

**SHELF LIFE:** 1 year unopened, protected storage

**FREIGHT CLASS:** ITEM 42130, SUB 0, LTL 50

**LIMITED WARRANTY:** This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be 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 the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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