

TECHNICAL DATA

DESCRIPTION: **HP Hydraulic Cement** is a single component, very fast setting cement designed to stop active water leaks in all types of concrete and masonry surfaces. This easy-to-use material is non metallic, shrinkage compensated, sets above or below water and will not rust.

USE ON: Pools, walls and around junctions, inserts, holes, static cracks and faults in concrete and masonry

- ADVANTAGES:**
- Stops active water leaks
 - Sets in minutes
 - Sets above or below water
 - Nonmetallic
 - Shrinkage compensated

	1 hour	28 days
Compressive Strength (ASTM C 109 Extended)	2000 psi (13.8 MPa)	5500 psi (37.9 MPa)
Flexural Strength (ASTM C 348)	600 psi @ 7days (4.1 MPa)	
Tensile Strength (ASTM C 190)	300 psi (2.1 MPa)	

SURFACE PREPARATION: Remove all deteriorated concrete, dirt, oil, grease and all bond inhibiting materials from the surface. Be sure repair is not less than 1/8 " in depth. Remove all loose or unsound concrete, mortar or debris with a wire brush or mechanically with chipping hammer, chisel or similar methods. Flush repair area with clean water. If hole or crack is not leaking water at time of repair, dampen area before plugging.

MIXING: Use when air temperatures are between 40°F (4°C) and 90°F (32°C). Add potable water to **HP Hydraulic Cement** at a rate of 30% water, by weight. Pre-dampen surface to surface saturated dry (SSD) condition with clean water for a good bond. Add water to powder and mix to desired consistency. No special curing is required. Always follow ACI Guidelines for proper concrete application and curing methods.

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APPLICATION:

TO STOP RUNNING WATER

DO NOT place material into the repair area immediately; hold in one gloved hand or on a trowel until material starts to stiffen, then press firmly into hole or crack, starting at the top. Maintain pressure on the patch for approximately 3 - 5 minutes, until the **HP Hydraulic Cement** hardens. After active water leak has been stopped, cut excess material even with surrounding surfaces for a good finish, being careful not to damage the plug.

SEALING CRACKS IN WALLS AND SLABS

Force **HP Hydraulic Cement** into the prepared crack with a trowel or putty knife. DO NOT twist or overwork. Smooth material to the desired finish. Apply additional coating(s) as needed after **HP Hydraulic Cement** has dried and hardened.

LIMITATIONS:

- DO NOT use as a load-bearing patching material
- DO NOT use for vertical or overhead anchoring
- DO NOT retemper
- High temperatures accelerate set, low temperatures retard set

PACKAGING:

HP Hydraulic Cement is packaged in 50 lb. (22.7 kg) pails.

CAUTION:

WARNING! CONTAINS FREE SILICA & PORTLAND CEMENT. DO NOT BREATHE DUST. May cause delayed lung injury (silicosis). Follow OSHA safety and health standards for crystalline silica (quartz). Cement powder or freshly mixed concrete grout or mortar may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention.