

# PLUG & PATCH

## Hydraulic Cement

The logo for Cook Brand, featuring the word "Cook" in a large, white, serif font with a registered trademark symbol, and the word "BRAND" in a smaller, white, sans-serif font below it. The logo is set against a dark blue background with a white diagonal swoosh.

### MANUFACTURER

A.W. Cook Cement Products  
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### DESCRIPTION

PLUG & PATCH is a quick setting, hydraulic cement compound which instantly stops running water or seepage through concrete or masonry walls and floors. Packaged in dry powder form, PLUG & PATCH requires only the addition of clean water to make it ready to use. Plug & PATCH contains no metallics, will not shrink or oxidize, and seals out water for the life of the structure. PLUG & PATCH sets in 3-5 minutes. PLUG & PATCH HOT MIX sets in 60 to 90 seconds, depending upon the temperature of the mixing water and the surface onto which it is applied. Low temperatures will retard the set. High temperature will accelerate the set.

### USES

Mainly, but not limited to plugging leaks in manholes, faults causing leaking and seepage through concrete floors, walls and junctions, general masonry, around inserts such as sleeves, pipes, etc. suitable for any similar architectural or structural concrete application - pits, mines, tunnels, reservoirs, sewers, cisterns, canals, miscellaneous grouting & spot sealing, bolt hold downs, etc.

### APPLICATION

Applying COOK BRAND PLUG & PATCH is usually a two man job - one mixing small batches and the other placing the material quickly and holding it with pressure until water seepage stops. Force the mixed PLUG & PATCH into the crack or hole using maximum pressure. When areas of high water pressure are encountered, hold the PLUG & PATCH in your hand until you can feel the heat generation (the use of gloves is recommended). Immediately push and force into the opening and hold firmly in place with palm, trowel or wood block until set. Then shave the surface flush with a trowel. Plug a long opening with successive small rolls of PLUG & PATCH.

### COVERAGE

1 pound will fill 18 cubic inches or a crack  $\frac{3}{4}$ " x  $\frac{3}{4}$ " x 30".

Very cold or very hot weather will retard or quicken the setting time. Neither harms its ultimate strength or effectiveness, but special care must be used in mixing and applying the material. Normally, at 70 F, both PLUG & PATCH and the mixing water should be luke warm.

### CLEAN UP

Clean up is simple and easy with soap and water. Rinse tools before material hardens.

### PRECAUTIONS

Contains Portland cement-avoid eye contact or prolonged contact with skin, Wash thoroughly after handling. In case of eye contact, flush with water for at least 15 minutes. Consult a physician immediately. Keep out of reach of children. Contains free silica- DO NOT breathe dust. May cause delayed lung injury. Follow OSHA safety and health standards for crystalline silica (quartz). See material safety data sheet for detailed information.

### TECHNICAL DATA

#### COMPRESSIVE STRENGTH ASTM C-109

1 Hour	1500 PSI
1 Day	3500 PSI
7 Day	4900 PSI
28 Day	5500 PSI

#### TENSILE STRENGTH ASTM C-496

28 Day	650 PSI
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#### BOND STRENGTH ASTM-C882 (modified)

4 Hours	270 PSI
28 Days	1880 PSI

Volume Change- None

Setting Times

"Regular" 3 minutes (Blue Lid)

"HotMix" 1 min. (Red Lid)

### PACKAGING

50 LB. Plastic pails.