

FLOW-LINER SYSTEMS, LTD.
4830 North Pointe Drive
Zanesville, Ohio 43701

DESCRIPTION

FLOW-LINER HYDRAULIC CEMENT is a cement based, quick setting, hydraulic cement compound which instantly stops running water or seepage through concrete or masonry walls and floors. It actually becomes harder and more resistant when it is subjected to constant water pressure. Packaged in dry powder form, FLOW-LINER HYDRAULIC requires only the addition of clean water to make it ready to use. FLOW-LINER HYDRAULIC contains no metallics, will not shrink or oxidize, and seals out water for the life of the structure. FLOW-LINER HYDRAULIC sets in 3-5 minutes. FLOW-LINER HYDRAULIC Hot Mix set is approx. 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, grade and subgrade applications - plugging bores, cracks, 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, lined ditches, miscellaneous grouting & spot sealing, bolt hold downs, etc.

APPLICATION

Applying FLOW-LINER HYDRAULIC is usually

a two man job - one mixing small batches and the other placing the material quickly and holding it

1-800-348-0020

FLOW-LINER™
HYDRAULIC CEMENT

with pressure until water seepage stops. Force the mixed FLOW-LINER HYDRAULIC into the crack or hole using maximum pressure. When areas of high water pressure are encountered, hold the FLOW-LINER HYDRAULIC 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 sharp pointing tool, knife or trowel. Plug a long opening with successive small rolls of FLOW-LINER HYDRAULIC.

COVERAGE

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

LIMITATIONS

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 FLOW-LINER HYDRAULIC 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 C-882 (modified)

4 Hours	270 PSI
28 Days	880 PSI

Setting Times (Gilmore)

“Regular” 3-5 minutes
(blue lid)

“Hot Mix” 65 seconds
(red lid)