FAST PLUG

A fast setting, high strength, hydraulic plug compound.

TECHNICAL BULLETIN MS01

1. GENERAL USES:

FAST PLUG is a fast setting plug material used for stopping leakage through cracks and holes in masonry and concrete. Due to its rapid setting characteristics, it may be used underwater. It may also be used for general repair and anchoring fixtures to masonry walls.

2. FEATURES:

Quick set.
Easy to use.
Non-corrosive.
Non-shrink.
May be used underwater.
Contains no calcium chloride.

3. INSTRUCTIONS FOR USE:

A. Surface Preparation: All surfaces must be clean and free of dirt, dust, paint, sealers, coatings, loose material, adhesives, curing compounds or any material that will inhibit patching material from coming in contact with the concrete pores. Tight, steel troweled concrete should be abraded or etched with sulfuric or muriatic acid solution, then neutralized to open up the concrete pores. Removal of any anti adherents or loose materials must be accomplished mechanically with a wire brush, chipping hammer, or by sand or water blasting. Solvent cleaners or strippers are not acceptable. The surface should be damp prior to application.

B. Mixing: Mix FAST PLUG with sufficient clean water to obtain a stiff putty consistency. For most applications, hand mixing is preferred. Rubber gloves should be worn when preforming the mixing procedure. Mix only the amount which can be used within 2 to 3 minutes.

Clean warm water may be used to accelerate the set of FAST PLUG and hot water to reduce the set time where required.

TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Compressive Strength	ASTM C-109 Mortar (Mod.)	1 day	3500 psi
		7 days	4900 psi
		28 days	6500 psi
Tensile Strength	ASTM C-190	1 day	200 psi
		7 days	250 psi
		28 days	250 psi
Volume Change			NONE
Set Time @ 77°F.		Standard	3-5 minutes
		Hot Mix	45-90 seconds
Coverage: Volume Yield of 18 cubic inches per pound.			

C. Application: Repairing leaks in mortar joints are easily handled. Cut out the defective mortar joints or cracks to a minimum depth of 3/4 inches. A square cut or under cut is recommended to provide sound surfaces and mechanical locking of FAST PLUG.

Press firmly into place. Only minimum troweling or finishing is recommended.

Stopping running water through concrete pipes or walls requires starting at the top of the crack where the water pressure is the least and installing FAST PLUG in multiple applications toward the bottom portion of the leak. The last plug should be held in place until the leak subsides.

Wall and floor junctures may be sealed by applying FAST PLUG in a cove or triangular configuration.

D. Curing: For best results, FAST PLUG should be kept damp for 10 to 15 minutes after installation.

D. Limitations: Do not re-temper. Not recommended for placing when the temperature is under 40°F.

4. PACKAGING:

10 pound reusable plastic pails.

50 pound reusable plastic pails.

5. STORAGE AND HANDLING:

A. Shelf Life: FAST PLUG should be stored indoors and when left in the original containers, will maintain its designed performance for 12 months.

B. Storage: Keep out of inclement weather.

6. HEALTH AND SAFETY:

A. Health Precautions: This product contains Portland cement and

crystalline free silica. Avoid breathing the dust. Exercise care, as with handling any chemical construction product.

B. Safety Precautions: Use adequate ventilation. Use of a NIOSH/MSA approved dust respirator, safety goggles and chemical resistant gloves are strongly recommended. Remove contaminated clothing immediately.

C. First Aid: Skin Contact: wash thoroughly with soap and water. Eye Contact: flush immediately with water and contact a physician. Respiratory Problems: remove affected person to fresh air immediately and contact a physician. Hygiene: wash hands immediately after use. Wash clothing before reuse.

D. Spills: Collect in appropriate container. Uncured material may be removed with water.

E. Disposal: Dispose of in accordance with local state or federal regulations.

F. Warning: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY BY A QUALIFIED TECHNICIAN. Consult the Material Safety Data Sheet for further health and safety information.

7. WARRANTY:

We warrant our products to be free of defects and manufactured to meet published physical properties when cured and tested according to ASTM standards. Under this warranty, we will provide, at no charge, product in containers to replace product proved to be defective, when applied in accordance with our written instructions and in applications recommended by us as suitable for this product.

All claims concerning product defects must be made within twelve months of shipment. Absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty is in lieu of any and all other warranties, expressed or implied.