



3.07 FAST PLUG 310

Fast Setting Hydraulic Cementious Compound.

PRODUCT DESCRIPTION

FAST PLUG 310 is fast-setting, expansive hydraulic cement and is compounded to withstand continual exposure to water, even under pressure. It is cement based, fills and seals the pores and voids of the concrete or masonry surface.

USES

- Industrial, commercial, residential, electrical or plumbing applications, above or below grade
- Stop water flow through cracks and holes in concrete and masonry surfaces, even active pressure leaks
- Leaks in basements, foundations, sewer pipes and manholes.
- Emergency repair of ruptured water pipe, damaged boat hulls and other surfaces
- Swimming pools, cisterns, troughs, under water repairs, silos, tunnels, sewers, elevator pits, electrical vaults
- Watertight seals around conduit, gas and water lines through walls

ADVANTAGES

- Sets under water to stop leaks immediately
- Does not deteriorate under continuous exposure to water
- Sets rapidly for emergency repairs with minimal downtime
- Available in a winter weather formulation for speedy repairs at low temperatures
- Slightly expansive with high compressive strength for durable repairs

- Economical to use, does not require special tools or procedures, mixes with water

SET TIMES

FAST PLUG 3-5 minutes @ 70°F. /21°C.

FAST PLUG-W 3-5 minutes @ 50°F. /10°C.

ESTIMATING GUIDE

17 in³ per lb. 607 cm³ per Kg 50 pounds yields 0.5 Ft.³ 22.7Kg yields 0.014 M³

PACKAGING

FASTPLUG310 is available in 10 pound/4.5 Kg cans packed 4 per case and 50 pound/22.7 Kg bags, shipped 60 per pallet shrink wrapped.

DIRECTIONS

SURFACE PREPARATION: Enlarge crack or hole to a depth and width of 3/4"/1.9 cm. Undercut is best. Do not "V" cut. Chip out joint cutting into both wall and floor in wall to floor joints. Brush out loose material. If leak is not active, dampen surface. **MIXING:** Add clean, drinkable, room temperature water to a small amount of FAST PLUG. Mix to putty-like consistency. Warm mixing water will speed setting time, cold will slow it. Do not mix more than can be placed in 3 minutes. **ABOVE NORMAL TEMPERATURES:** Over 70°F. /21°C. FAST PLUG 310 set very quickly and structural strength is reduced. Never use water over 100°F. /38°C. Or heat material over 70°F. /21°C. Mix with ice water to slow set. Protect material from hot sun. **BELOW NORMAL TEMPERATURES:** Low temperatures, under 40°F. /4°C., delay set and make it difficult to stop flowing water. Warm FAST PLUG 310 mixing water to 70°F. /21°C. To speed set time or use FAST PLUG-W. **APPLICATION:** Compact FAST



FastChem Technologies

The Fast Chemistry for Construction

PLUG firmly into opening and hold tightly with trowel or gloved hand for about 2 minutes or until mortar is hard. Do not over trowel surface. Grinding or twisting motions when placing will weaken the repair. TO STOP RUNNING WATER: Seal crack from top to bottom. At point of greatest pressure force FAST PLUG firmly into opening and hold in place with trowel or gloved hand. Exert pressure until it hardens and water stops flowing. After material has set firmly, shave excess even with surface. TO SEAL WALL TO FLOOR JOINT: Force FAST PLUG into crack and smooth forming cove at base of wall. SETTING ANCHOR BOLTS OR FIXTURES: Make a hole at least 0.5 in/1.25 cm larger on all sides than the bolt or fixture. Walls of hole should be dampened. Blow out any excess water. Pack firmly with FAST PLUG. Force in bolt or fixture. Tamp FAST PLUG firmly in place. Keep damp for 15-30 minutes. Do not apply excessive load for several hours. UNDERWATER APPLICATIONS: Contact FastChem Technical Service staff for detailed instructions. CURING: FAST PLUG continues to gain strength as long as it is damp. It should be kept wet for at least 30 minutes to reach maximum initial strength. FAST PLUG locks itself in by expanding as it cures. It becomes stronger and more watertight when subjected to water pressure.

LIMITATIONS

- FAST PLUG hardens in 3-5 minutes. Prepare only enough for immediate use
- Seal unused powder in airtight, moisture proof containers for later use
- Does not use as topping or traffic bearing repair mortar?
- FAST PLUG is not designed to be used as a structural or machine support grout. Consult FastChem Technical Service staff for recommendations

STORAGE

Store in tightly closed container in cool, dry area. Shelf life of properly stored material is one year from date of manufacture.

CAUTION

May cause eye and respiratory tract irritation. Over exposure may cause skin irritation. Do not take internally. Keep out of reach of children. All label precautions and the MSDS must be fully understood before using this product.

WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FastChem Construction Chemicals ("FastChem") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond FastChem's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. FastChem shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. FastChem's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

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