

FIRMA PLUG®

QUICK-SETTING, LEAKSTOPPING HYDRAULIC CEMENT

WALL FIRMA, INC.

Waterproofing and Repair Products Since 1949.
733 E. Main Street
Monongahela, PA 15063-1499

1-800-333-4333
1-724-258-6873
Fax: 724-258-3188
e-mail: wfi@wallfirma.com
website: www.wallfirma.com

STOPS ACTIVE WATER LEAKS INSTANTLY

DESCRIPTION:

Firma Plug is a hydraulic setting compound that is quicksetting and cement based. It instantly stops water that is seeping through concrete or masonry walls and floors. Firma Plug is packaged in dry powder form in 2.5 lb., 10 lb., and 50 lb. containers. Firma Plug only requires the addition of clean water to make it ready to use. Firma Plug sets in 3 - 5 minutes, depending on the temperature of the water used to mix it. The lower the temperature, the slower the set; higher temperatures decrease the set time.

USES:

Firma Plug stops water seeping through cracks, holes, and joints of masonry and concrete walls. Firma Plug can be used on all masonry and concrete walls in basements, elevator shafts, wells, mines, tunnels, cisterns, and cement tanks.

Firma Plug seals cracks at junction of walls and footers, imperfections in poured concrete, holes left by tie wires, and separators. Firma Plug also is excellent for sealing around pipe, conduit, etc.

APPLICATION:

Cracks at joint of floor and wall-

Cut out crack at least 3/4" wide and deep, cutting into wall slightly.

Clean crack and surrounding area of all loose debris.

Prepare Firma Plug as directed and force into the prepared crack. Use a round tool to do this, leaving no exposed surface of the crack.

Use additional Firma Plug to form a cove at the junction of wall and floor.

Water seeping through walls-

Cut out crack, hole, or joint to a maximum of 3/4". Use the undercut method if possible.

Starting at the top of the crack, force Firma Plug into the crack working toward area of greatest pressure.

At area of greatest pressure, hold Firma Plug in your hand or leave it set until it becomes warm and begins to stiffen. At this point, force the Firma Plug into the crack and hold it in place with a tool or trowel for several minutes, until the Firma Plug sets. After stopping leak, smooth patch to match the surrounding masonry surfaces.

Holes, blisters, patches, honey comb, and other construction defects-

Remove all tie wires and separators by cutting back into the concrete at least 1".

Mix Firma Plug to a mortar and fill all voids flush with the surrounding surface.

Scratch the surface of this patch, if needed, for more applications.

NOTE: if no leaking water is present, Firma Patch can be used for the above applications

An anchoring cement-

Drill holes deep enough to secure properly a bolt or post and wide enough to allow 1/2" minimum space around all sides of the bolt or post.

Fill hole with Firma Plug, tamping it to make sure the hole is completely full.

Immediately, center the bolt on top of the hole and firmly tamp bolt or post into the Firma Plug.

Tamp the Firma Plug firmly around the bolt or post and allow to set up.

Keep moist for 20 minutes.

If post or bolt will not stay as desired, prop or brace with lumber until Firma Plug sets.

Do not apply pressure to bolt or post for a minimum of 6 hours.

IMPORTANT TIPS

- Although temperature variations will affect set up time, it will not affect the ultimate strength of Firma Plug.
- Mix Firma Plug in small batches that can be used quickly.
- Firma Plug will set in 3 - 5 minutes.

TECHNICAL SUPPORT DATA:

See Technical Data Sheet.