



Blending Cement Products Since 1967

PRO PLUG 45



**Founded, Based and
MADE IN THE U.S.A.**

Rapid Setting Cement Based
Hydraulic Cement

DESCRIPTION:

PRO PLUG 45 is a hydraulic cement formula designed to set at three (3) times the speed of ordinary quick set plug. Instant setting can be achieved in 45 seconds to stop pressure leaks in concrete and masonry surfaces. This rapid set allows PRO PLUG 45 to bond mechanically and chemically to saturate surfaces.

03 61 00
Cement Grouting



USES AND APPLICATIONS:

- Stops Streaming Leaks in Concrete
- Anchors Bolts and Rods
- Seals Cracks and Floor and Wall Junctions

03 50 00
Concrete Repair



PRODUCT FEATURES:

- Non-Metallic, Non Rusting
- Fast Setting
- Stops water leaks under pressure
- Easy to mix
- Single component
- Expands as it sets
- Waterproof
- Chloride and metal free mortar
- Can be shaved and molded to desired contour
- Once set, Pro Plug 45 is resistant to hydrostatic pressure

SUBSTRATE PREPARATION:

Slightly undercut the hole to be plugged and enlarge small cracks to permit embedment of material. Recommended minimum size of hole or crack is 0.75 in. wide and deep. Remove all loose dirt or aggregate. Surfaces should be SSD (Saturated Surface Dry) prior to placement.

MIXING:

Mix PRO PLUG 45 with clean potable water. Add just enough to make a putty consistency. Water ratio is 3 parts powder to 1 part water. PRO PLUG 45 is to be mixed in small quantities only due to rapid set time.

APPLICATION:

Apply PRO PLUG 45 with trowel or by hand to seeping area starting at top of crack. Hold firmly in place exerting pressure with hand or trowel for about 3 minutes to be sure PRO PLUG 45 does not wash out under water pressure. If small leaks should appear around the patched area, sprinkle PRO PLUG 45 in a dry form onto the leaking area, or mix a small batch of PRO PLUG 45 to a soft putty consistency and hold firmly over area till set.

STOP STREAMING WATER: Begin at top of crack and place PRO PLUG 45 in firmly using some force to place into opening. Continue to apply pressure with trowel or by hand until material sets and active water has stopped.

SEALING CRACKS, FLOOR /WALL JUNCTIONS: Firmly push PRO PLUG 45 into crack or hole to form a cove at the floor and wall junction.

ANCHORING BOLTS OR RODS: Drill or chisel a hole deep enough to hold bolt or rod securely and a large enough opening, 1/2" space on all sides of bolt or rod. Position the bolt in the hole, use a small pointed trowel and fill in PRO PLUG 45 completely around bolt. Smooth off surface with trowel while supporting bolt with hand for about one minute until it does not sag.

PACKAGING:

50 lb. Pail

COLOR:

Light Grey

SHELF LIFE:

12 months

REQUIRED TOOLS:

Safety Gloves
Mixing Bucket
Trowel

MIXING RATIO:

3 Parts Powder to 1 Part Water

WEIGHT / CUBIC FOOT:

130 per ft.³ Installed

APPROXIMATE COVERAGE:

50 lb. Unit Yields: 0.50 ft.³

2 1/2 pounds will fill a crack 3/4" wide by 3/4" deep and 75" in length

APPLICATION TEMPERATURE

RANGE:

35° - 95°F

SET TIME:

45 Seconds

COMPRESSIVE STRENGTH

(ASTM C 109)

4 Hours	2000 psi	13.8 MPa
1 Day	4000 psi	27.6 MPa
28 Days	5500 psi	37.9 MPa

PRO PLUG 45

APPLICATION NOTES:

1. It is the responsibility of the contractor to review the complete technical datasheets of CGM products referenced above as more detailed information may be required. The information provided above acts only as a general guideline and may vary based on jobsite conditions.
2. Apply Pro Plug 45 immediately after mixing.
3. Do not mix more than can be placed within 1 minute.
4. Not for use in moving cracks.
5. Not for use as a surface applied material or coating.
6. Maintain minimum application widths and depths.
7. Wet substrate prior to placement keeping the material wet for a minimum of 15 minutes

Eligible LEED credits : 5
Recycled Content (MR 4.1 & 4.2)
2 Points

Regional Materials (MR 5.1 & 5.2)
2 Points

Low Emitting Materials (EQ 4.1)
1 Point

STORAGE:

Store in cool dry place. Tightly seal package and do not expose to sun.

FLAMMABILITY: (ASTM E-84)

Flame Spread: -0-

Fuel Contribution: -0-

Smoke Development: -0-

VOLITALE ORGANIC COMPOUNDS

0 g/l

CLEAN UP:

Clean tools with water immediately after use or by mechanical means once dry.

HEALTH AND SAFETY:

Always refer to the Safety Data Sheet (SDS) prior to using this product for full Health, Safety and Handling guidelines. SDS sheets are available by calling 215.638.4400 or you can visit www.cgmbuildingproducts.com

For Professional Use Only

KEEP OUT OF REACH OF CHILDREN



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