TECHNICAL DATA SHEET

PRO PLUG 45

Rapid-Setting, Cement-Based Hydraulic Cement

DESCRIPTION

Pro Plug 45 is a hydraulic cement formulated to set three times as fast as an ordinary quick-set plug. 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 saturated surfaces.

- Stops streaming leaks in concrete
- Anchors bolts and rods
- Seals cracks and floor/wall junctions

BENEFITS

- 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 the desired contour
- Once set, Pro Plug 45 is resistant to hydrostatic pressure

APPLICATION

Surface Preparation: Slightly undercut the hole to be plugged, and enlarge small cracks to permit embedment of the material. The recommended minimum size of a hole or crack is 3/4" (19 mm) wide and deep. Remove all loose dirt or aggregate. Surfaces should be saturated surface-dry (SSD) before placement.

Mixing: Mix Pro Plug 45 with clean, potable water, adding just enough to make a putty consistency. The mix ratio is 3 parts powder to 1 part water. Due to its rapid set time, mix Pro Plug 45 in small quantities only.

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

Stopping Streaming Water: Begin at the top of the crack and place Pro Plug 45 firmly, using some force to push it into the opening. Continue to apply pressure with a trowel or by hand until the material sets and the active water has stopped.

Sealing Cracks and Floor/Wall Junctions: Firmly push Pro Plug 45 into the crack or hole to form a cove at the floor/wall junction.

Anchoring Bolts or Rods: Drill or chisel a hole deep enough to hold the bolt or rod securely, with at least 1/2" (13 mm) of space on all sides of the bolt or rod. Position the bolt in the hole, then use a small pointed trowel to fill Pro Plug 45 completely around the bolt. Smooth off the surface with the trowel while supporting the bolt by hand for about 1 minute, until it does not sag.

APPLICATION NOTES

1. It is the responsibility of the contractor to review the complete technical data sheets of the CGM products referenced above, as more detailed information may be required. The information provided above is only a

general guideline and may vary based on jobsite conditions.

2. Apply Pro Plug 45 immediately after mixing.

3. Not for use in moving cracks.

4. Not for use as a surface-applied material or coating.

5. Maintain minimum application widths and depths.

6. Wet the substrate before placement, and keep the material wet for a minimum of 15 minutes.

TECHNICAL DATA INFORMATION

Compressive Strength (ASTM C109)

4 hours.....2,000 psi (13.8 MPa)
1 day.....4,000 psi (27.6 MPa)
28 days.....5,500 psi (37.9 MPa)

PACKAGING

50 lb (22.7 kg) pail

SHELF LIFE

Store in a cool, dry place. Tightly seal the package and do not expose to sun. Shelf life is 12 months; rotate stock.

WARRANTY

NOTICE – READ CAREFULLY

CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.

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