



**Manufacturers of  
Professional Grade Cement &  
Construction Products Since 1967**

7/01-1

# PERMA WET PLUG

## WATER STOPPING CEMENT

### DESCRIPTION:

**PERMA WET PLUG** is a quick setting, hydraulic, cementitious, water stopping grout which provides a tight bonding, dense barrier to permanently seal out active water. When mixed with clean water, this formula sets in 3 to 5 minutes at 70° F (21° C).

### USES AND APPLICATIONS:

- For use in foundation and retaining walls, dams, tunnels, sewers, wastewater treatment plants, mines, wells elevator pits, cisterns and tanks.
- To plug any leaks in any concrete or masonry surface.
- To prevent seepage along cracks or seams at the floor and wall intersection and seal holes left by tie wires.
- To seal all leaks around piping and conduit passing through concrete and masonry walls.

### ADVANTAGES:

1. Fast setting
2. Stops flowing water
3. Very low shrinkage
4. Easy to handle
5. Sets up under water
6. Excellent freeze/thaw resistance
7. Nonmetallic
8. High early strength
9. Approved as a water stopping cement in federally inspected meat and poultry plants.

### SPECIAL NOTES:

- Apply to a clean, sound, properly prepared substrate.
- Application and curing times are depended upon ambient conditions. Cold temperatures retard set time and hot temperatures accelerate set time.
- Minimum ambient surface temperature should be above 50° F (10° C) at the time of application, however, warm water should be used to mix the materials at lower temperatures. Call CGM technical services for more information on cold weather applications.
- Inactive leaks should be thoroughly dampened prior to and for approximately 15 minutes following application.

### SURFACE PREPARATION:

Undercut the substrate and open the crack or hole to a minimum depth and width of 1" (2.5cm). Wire brush and then flush away all loose material. Remove all oil, grease, dirt and other contaminants by scrubbing with an industrial detergent, flushing thoroughly with clean water to expose clean sound concrete. The substrate surface must be thoroughly wet before applying PERMA WET PLUG.

### MIXING:

PERMA WET PLUG is supplied as a pre-measured unit. Using a small amount of water, mix the material in a small pail until a putty type consistency is obtained. Do not mix more material than can be placed in 2 minutes.

### POT LIFE:

PERMA WET PLUG has a pot life of 2 minutes at 70° F (21° C). Cold water 40° F (4° C) will retard the set time and hot water 90° F (32° C) will accelerate the set time.

### CURING:

The curing time of PERMA WET PLUG is approximately 3 to 5 minutes at 70° F (21° C).

### YIELD:

PERMA WET PLUG will yield approximately 0.4 cu.ft. (0.01 cu.m) per 50 lb. pail and bag.

### PRIMING:

The use of a primer before the application of PERMA WET PLUG is not necessary.

### APPLICATION:

To stop flowing water PERMA WET PLUG must be placed immediately after mixing. Using gloved hands, form the material into a cone shape and hold until a slight rise in temperature occurs. Then firmly press and hold the PERMA WET PLUG into the repair area until final set occurs. The PERMA WET PLUG may now be shaved to obtain a flush finish with the surface. In other areas of repair, PERMA WET PLUG may be trowled into open cracks and joints.

Prior to applying the PERMA WET PLUG, ensure that the substrate is wet or damp to avoid premature and/or uneven curing.

**COVERAGE:**

One pound of PERMA WET PLUG will fill 17 cu./in., or a crack 3/4" X 3/4" X 30"

**PACKGING:**

PERMA WET PLUG is packaged in a 50 lb. Pail and bag.

SIZE	STOCK NO.	UNITS PER CARTON	WT. PER CARTON
50 LB PAIL	50WE	1	53 LBS.
50 LB BAG	50WE	1	50 LBS.

**STORAGE CONDITIONS:**

Store PERMA WET PLUG at or above 45° F (7° C) in a dry area. Avoid excessive heat or humidity.

**COLOR:**

PERMA WET PLUG is available in gray only.

**SHELF LIFE:**

When stored in original, un-opened container, one year. Rotate your stock.

**TECHNICAL DATA:**

**Temperature limitations:**

Low temperatures retards set time  
High temperatures accelerate set time

**Compressive Strength (ASTM C 109):**

15 minutes	750 psi
1 day	3,700 psi
7 day	4,400 psi
28 day	5,500 psi

**PRECAUTIONS:**

1. Dispose of waste materials in accordance with Federal, State and local regulations.
2. The use of a dust mask, safety goggles and rubber gloves are recommended.
3. **CAUTION:** Contains Portland Cement which is highly caustic.
4. Contains Free Silica. Do not breath the dust as inhalation may cause delayed lung injury (silicosis) and is a carcinogen.
5. In case of eye contact, flush with water. Wash skin with soap and water if contact occurs. Consult a Physician
6. Use only with adequate ventilation

**KEEP OUT OF REACH OF CHILDREN**

**GENERAL INFORMATION:**

Please contact CGM, Inc. at any of the following numbers for customer service or technical assistance:

Voice: 215-638-4400  
Toll Free: 800-523-6570  
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**WARRANTY:**

CGM INC. warrants this product to be free of manufacturing defects. The sole responsibility and maximum liability of CGM under this warranty shall be at CGM's option, either (1) to replace the defective product in the form the product was purchased but not in the form the product was installed or used, or (2) to refund the purchase price of the product. In no event shall CGM be liable to the purchaser or to any third party for any loss or damage, of any type, including but not limited to incidental and/or consequential damage, resulting from the purchase or use of this product. In the event of any claim under this warranty, written notice must be given by registered mail. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. Information contained herein is for evaluation purposes only. While CGM believes this information to be true and accurate as of this printing of this material, CGM shall have no obligation to notify purchasers of any error which is subsequently discovered in this information. CGM reserves the right to modify or improve any of its products, at any time without prior notice.