

FAST SETTING HYDRAULIC CEMENT

TO STOP WATER LEAKS IN CONCRETE AND MASONRY

PLUG-CRETE®

READY TO PLUG 60-90 SECONDS

STOP WATER LEAKS IMMEDIATELY

OVER 8000 PSI COMPRESSIVE STRENGTH

PRODUCT DESCRIPTION

PLUG-CRETE is a rapid setting hydraulic cement product formulated to stop water leaks through concrete and masonry walls and ceilings. It contains hydraulic cement, selected silica sands, accelerators, adhesion additives and shrinkage compensation additives. **PLUG-CRETE** is mixed with water to form a stiff plug to stop water leaks and seepage through concrete and masonry. **PLUG-CRETE** is ready to use in 60-90 seconds and sets rapidly, sealing the leak and bonds to the concrete effecting a permanent repair.

PRODUCT USES

PLUG-CRETE is used to stop leaks and seepage through concrete and masonry walls and floors, even when running water is present. It stops water at the wall-floor joint and is effective where there is hydrostatic pressure.

Use **PLUG-CRETE** for sewer manhole repairs, waste water treatment plants and concrete pipe repair. It may also be used to anchor bolts, hand rails and pipe railings.

PLUG-CRETE may be used to repair voids, honeycombs, and holes in concrete walls.

PRODUCT FEATURES

- High Strength - Over 8000 PSI
- Ready To Use In 60-90 Seconds
- Stops Leaks Instantly
- Non-Metallic - Will Not Rust
- Will Set Up Under Water
- Non-Shrink
- Easy to Use - No Special Tools Required
- Hard In 2-3 Minutes

TECHNICAL DATA

Compressive Strength ASTM-C109

<u>1 Day</u>	<u>7 Days</u>	<u>28 Days</u>
2670	7440	8150

Shrinkage ASTM-C596

<u>28 Days</u>	0.0 - 0.01%
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Flexural Strength ASTM-C348

<u>7 Days</u>	<u>28 Days</u>
690	760

COVERAGE

50 lbs. of **PLUG-CRETE** provides .56 cu.ft. of finished product.

PACKAGING

50 lb. Pails, 36 per pallet. 50 lb. bags, 70 per pallet. 10 lb. pails and 4 lb. boxes, 12 per carton. Also available in 5-7 minute and 12-15 minute set (hard) formulations.

SURFACE PREPARATION

Cracks or openings which are to be plugged should be prepared by cutting or chiseling the concrete or masonry to a minimum opening of 3/4". Make the opening in the shape of an inverted "V" with the wide part of the "V" away from you so the inside of the opening is wider than the outside. This will provide a mechanical bond during bonding and curing process.

Rinse or blow any loose particles away. Make sure the surface is clean and sound. Dampen area with clean water prior to installing **PLUG-CRETE**.

MIXING INSTRUCTIONS

Pour potable water into clean mixing container and slowly add **PLUG-CRETE** while mixing. Mix no more than 30 seconds. Use 3.5 fluid ounces of water per pound of **PLUG-CRETE** (14 oz. per 4 lb.). Mix only the amount which can be applied in 2 minutes. Mix to the consistency of a stiff putty. If mixed properly, **PLUG-CRETE** may be formed by hand into a plug or ball. Never retemper or remix **PLUG-CRETE**.

APPLICATION INSTRUCTIONS

After **PLUG-CRETE** has firmed, but is still pliable, form it into a plug and force it into the prepared opening. Hold in place 2-3 minutes until hard. Just before final hardening, shave **PLUG-CRETE** flush with surface with a trowel. Keep plug damp for at least 15 minutes to insure complete hydration and hardening.

CONTAINS PORTLAND CEMENT. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately. Keep out of the reach of children.

For cracks or openings at the junction of floor and wall, prepare as described above. Force **PLUG-CRETE** into the crack using a pointing tool and slick off surface. Prepare a 45° cove between floor and wall.

To plug running water through a wall, drill or chisel a relief hole at the bottom of the crack. Prepare the crack as described above and force **PLUG-CRETE** in, beginning at the top. For the final plug where water pressure is greatest, let **PLUG-CRETE** get warm before applying and hold in place several minutes.

Use ice water to slow set in hot weather and warm water to speed set in cold weather. Keep **PLUG-CRETE** material at room temperature. Preheat area in cold weather.

PRECAUTIONS

Do not remix or retemper **PLUG-CRETE**.

Use from 40°F to 90°F.

Do not twist off when shaving **PLUG-CRETE**.

Excess water will reduce strength and increase setting time.

Always do a trial area to determine suitability and coverage.

Contains silica sand and free silica. Do not breathe dust. Avoid inhalation by wearing a respirator. Continuous exposure and inhalation may cause silicosis and crystalline silica is classified as a known human carcinogen.

LIMITED WARRANTY

Lyons Manufacturing, Inc. warrants the high quality of its products. However, because of many factors beyond our control in their use, such as job conditions, workmanship, etc., the liability of all parties making and selling this product is expressly limited to the refund of the purchase price or replacement of the Lyons material used. Lyons Manufacturing, Inc. will replace any product proven to have a manufacturing defect, FOB Factory, provided Lyons Manufacturing, Inc. is notified of such defect within one (1) year from the date of shipment from the factory. This warranty is in lieu of all other warranties, express or implied. Lyons Manufacturing, Inc. makes no warranty of suitability of its products for any particular application and sells its products upon the condition that customer shall conduct their own test to determine the suitability of the products for their purposes. Under no circumstances will Lyons Manufacturing, Inc. be liable for economic, special, incidental or consequential damages or losses of any kind.

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