



DURAPLUG™

DS-177.2-1214

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

DURAPLUG™

2. MANUFACTURER

LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 235
Toll Free: 1.800.243.4788, ext. 235
Fax: +1.203.393.1684
Website: www.lmcc.com

3. PRODUCT DESCRIPTION

DURAPLUG is a one-component, quick-setting, durable hydraulic cement plug. DURAPLUG is a non-shrink cement patch with great flexural and bond strengths. DURAPLUG is free of chlorides and corrosive type materials.

Uses

The time-proven uses of DURAPLUG assures watertight seals at joints, sewer lines, tanks, tunnels and mines.

Advantages

- Stops running water and seepage
- Sets quickly
- Non-metallic
- Very rapid strength gain
- Freeze/thaw resistant

Suitable Substrates

- Existing concrete

Packaging

50 lb (22.7 kg) plastic pails

Approximate Yield

Yield: 12 in³/lb (430 cm³/kg)

Shelf Life

DURAPLUG containers are to be kept tightly closed. Shelf life is one year in unopened sealed containers.

Limitations

- Surface temperature must be above 40°F (4°C) and rising.

Cautions

- Consult SDS for more safety information
- Protect finished work from traffic until fully cured
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children
- Do not over mix
- Do not over wet
- Do not retemper
- Protect aluminum rails, bolts and posts from cement contact

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

4. TECHNICAL DATA

Applicable Standards & Test Methods

ASTM C 928

Physical Properties

Property	Observed
Set Time ASTM C 191	Initial: 3 min Final: 5 min
Compressive Strength ASTM C109	1 hour: 1500 psi (Mpa) 28 days: 5750 psi (Mpa)
Flexural Strength ASTM C 78	24 hours: 730 psi (Mpa) 28 days: 1040 psi (MPa)
Tensile Strength ASTM C 190	28 days: 1531 psi (MPa)
Volume Change ASTM C 157	3 days: +0.0
Scaling Resistance ASTM C 672	25 cycles: 0

Working Properties

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. INSTALLATION

Surface Preparation: Chip away soft, deteriorated unsound concrete. Clean surfaces of oil, grease, dirt and laitance down to sound concrete. Dampen surfaces with water.

Mixing: Mix DURAPLUG™ with clean water only. Add enough water to develop a putty-like consistency at a ratio of one part water to 3 parts DURAPLUG. Mix for 1 minute. Mix only enough that can be placed in 3 minutes.

Placement: No leaks present: Place DURAPLUG with minimum working or rubbing. Force DURAPLUG into crack or hole using maximum pressure. Keep damp for 15 minutes.

Active Leaks: Prepare cracks by chipping out 3/4" (19 mm) deep and wide. The inside of the crack should be wider than the opening to provide good mechanical keyway. Hold DURAPLUG in hand until it becomes warm. Start at top of opening forcing firmly into small section of crack. Hold until set. Follow the same procedure working down the crack until the crack is filled and water stops running. Avoid leaving a "V-shaped" opening. To seal a crack at the floor and wall junction, force DURAPLUG into prepared crack with a round tool. Smooth and form cove at junction.

Curing: Standard curing procedures should be followed.

6. AVAILABILITY AND COST

Availability

L&M™ and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at

www.lmcc.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

8. MAINTENANCE

LATICRETE® and LATAPOXY® grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty