

# LAMBCO® PLUG

© 2013 – Lambert Corporation  
June 2013 Revision  
Supersedes all previous publications



## Product Description

LAMBCO® PLUG is a fast-setting water-resistant hydraulic cement repair compound. LAMBCO® PLUG is used for concrete repairs to active water leaks, hydrostatic pressure water leaks, and underwater concrete repairs. This makes it ideal for basement, tunnel, elevator pit, and sewer repairs. It is also used for grouting/anchoring and sealing around bolts, conduits, and pipes.

## Installation

Before using this product, please refer to the Material Safety Data Sheet for additional information. Proper handling precautions **MUST** be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond Lambert Corporation's control. Therefore, it is imperative that testing be performed to determine satisfaction and suitability for intended use and health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While Lambert Corporation does suggest adherence to these guidelines, unforeseeable variables and/or developed successful installer practices may cause variation in methods and/or results.

## Surface Preparation

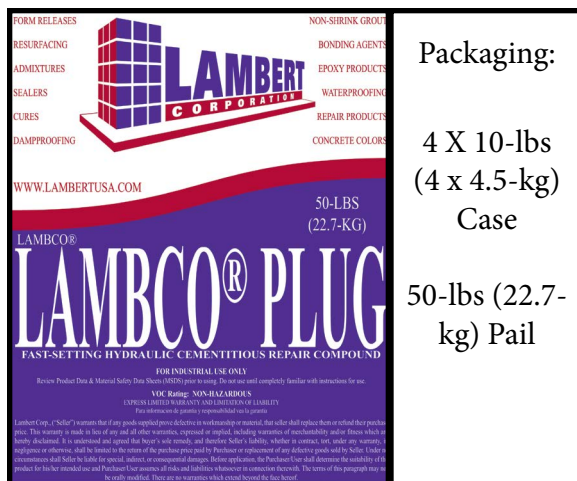
Remove all unsound concrete and roughen the surface, if necessary. If crack is less than  $\frac{3}{4}$ -inch (19.1-mm) in width or depth, widen or gouge to this dimension to allow enough material in the cavity for proper expansion, strength, and bonding of LAMBCO® PLUG. Inner portion of the crack should be undercut so that the depth of the crack is wider than the surface opening. Concrete substrates should be cured properly and structurally sound. Remove all laitance, oil, grease, curing compounds, and other contaminants that may negatively affect the bonding capability of the LAMBCO® PLUG.

## Mixing and Placement

A paddle type mixer or a revolving concrete mixer can be used. Use a container that will facilitate continuous placement. Place water into mixer before dry mortar, and knead to the consistency of putty or thick mortar. Blend for approximately 1-minute before placing material.

## Application / Placement

Surface should be damp. Once water has been added and material has attained a putty-like texture, shape to a form similar to the crack or cavity about to be repaired. After forming to a suitable shape, force material into the crack or cavity compressing it firmly using a gloved palm, trowel, wood block, etc. Hold in place one minute. For long vertical cracks, patch with successive small amounts of LAMBCO® PLUG starting at the top of the crack. If there is a strong water flow, put material on a board and hold in place for longer period (5 to 6 minutes). Do not brush or trowel over surface, shave off excess material with knife or similar tool.



### Packaging:

4 X 10-lbs  
(4 x 4.5-kg)  
Case

50-lbs (22.7-kg)  
Pail

## Limitations

LAMBCO® PLUG is cement based. Follow ACI recommended practices. Do not add cement, plasticizer or accelerator. Avoid placement when temperatures are, or will be below 45°F (7.2°C) within 24 hours. Do not mix LAMBCO® PLUG with water over 100°F (37.8°C), over mix, or retemper after being mixed. Product will generate heat when mixed with water, wear gloves when handling and mixing. LAMBCO® PLUG is not intended to be used as a load bearing patching material, or for overhead or vertical anchoring.

LAMBCO® PLUG

RESURFACE & REPAIR PRODUCTS



## Technical Information

The following technical information was obtained using a water to non-extended LAMBCO® PLUG ratio of 8.25-pints (3.9-liters) to 50-lbs (22.7-kg) at 72°F (22.2°C).

|  |          |       |
|--|----------|-------|
| Set Time (minutes) - ASTM C-191        | Initial  | 3     |
|  | Final    | 8     |
| Compressive Strength (psi) - ASTM C109 | 24-hours | 2,500 |
|  | 3-days   | 4,500 |
|  | 7-days   | 6,500 |
|  | 28-days  | 7,000 |

### Coverage

One 50-lbs (22.7-kg) bag of LAMBCO® PLUG will yield 0.47-ft<sup>3</sup> (0.013-m<sup>3</sup>) of mortar or cover 5.6-ft<sup>2</sup> @ 1-inch (0.5-m<sup>2</sup> @ 25-mm) thick.

### Clean-Up

Product can be cleaned up by sweeping, paying attention to minimizing the creation of excess dust. Use water to clean tools and equipment immediately following application. Finished/cured product must be removed with mechanical means.

### First Aid

Cement powder or freshly mixed concrete may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with soap and water. If any cement powder or mixture gets into eyes, rinse immediately and repeatedly with water and get prompt medical attention. Avoid overexposure to the airborne dust. If inhalation occurs, remove to fresh air area. If any discomfort or breathing issues occur, seek immediate medical attention. Refer to product Material Safety Data Sheet for further information.

### U.S. State of California Proposition 65

This product contains material listed by the State of California as known, when treated improperly, to cause cancer, birth defects or other reproductive harm.

### VOC Content

0 -g/L or 0-lbs/gal less exempt content

**KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.**

LAMBCO® PLUG

RESURFACE & REPAIR PRODUCTS