

LAMBCO® FAST PATCH 2

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Supersedes all previous publications



Product Description

LAMBCO® FAST PATCH 2 is a two-component rapid-setting high-strength concrete patching compound packaged as a dry powder coupled with a specially-formulated corrosion-inhibitive polymer liquid admixture. LAMBCO® FAST PATCH 2 is designed for quick patch and repair work on horizontal, vertical or over-head surfaces and can be used for restoring both old and new concrete. LAMBCO® FAST PATCH 2 is used to repair many types of construction faults in both precast and cast-in-place concrete construction, including pre-stress panels, concrete pipe, culverts, beams, catch basins, roads, bridges, tunnels, and concrete floors.

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, to a minimum $\frac{1}{8}$ -inch (3.2-mm). 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® FAST PATCH 2. The concrete substrate should be saturated surface-dry (SSD), free of all standing water, prior to application.

Mixing and Placement

A paddle type mixer or a revolving concrete mixer can be used. Use a container that will facilitate continuous placement. Place 1-gallon (3.8-liters) of Fast Patch 2 liquid polymer admixture into mixer before adding 50-lbs (22.7-kg) of dry component. Product must be blended in this ratio to insure best performance. Blend for 3- to 4-minutes before placing material.

Application / Placement

Apply the mixed material onto the prepared saturated surface-dry (SSD) substrate by gloved-hand, trowel or screed. Ensure proper consolidation of the mortar and compaction around reinforcing steel. Minimum application thickness is $\frac{1}{8}$ -inch (3.2-mm). Finish the completed repair, as necessary, preventing overworking of the surface. After filling repair, consolidate, then screed. Finish with trowel until smooth and level with surrounding surface. LAMBCO® FAST PATCH can be shaved following initial set where required. Care should be exercised in finishing very thin toppings.

Limitations

LAMBCO® FAST PATCH 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. If it is placed with excess water or at low temperature, both the compressive strength and expansion properties may be adversely affected. For applications greater than 4-inches (10.2-cm) in depth, use 25 – 50-lbs (11.4 – 22.7-kg) of $\frac{3}{8}$ -inch (10-mm) washed, graded, rounded, low absorption, high-density aggregate per 50-lb (22.7-kg) bag. Do not retemper after initial mixing.

 www.LambertUSA.com	Packaging:
2 Component	
50-lb (22.7-kg) Bag & 1-gal (3.8-L) Jug	
Sold in Sets of 4 ONLY	

50 LB BAG (22.7 – KG)

LAMBCO®

FAST PATCH 2

DRY COMPONENT CEMENT REPAIR

FOR INDUSTRIAL USE ONLY
Review Product Data & Material Safety Data Sheets (MSDS) prior to using. Do not use until completely familiar with instructions for use.
VOC RATING: NO VOC'S
EXPRESS LIMITED WARRANTY AND LIMITATION OF LIABILITY
Fast information on liability and responsibility not to be granted

Lambert Corp., ("Seller") warrants that if any goods supplied prove defective in workmanship or material, that seller shall replace them or refund the purchase price. This warranty is made in lieu of any and all other warranties, expressed or implied, including warranties of merchantability or fitness which are hereby disclaimed. It is understood and agreed that buyer's sole remedy, and therefore seller's liability, whether in contract, under any warranty, in negligence or otherwise, shall be limited to the return of the purchase price paid by Purchaser or replacement of any defective goods sold by Seller. Under no circumstances shall Seller be liable for special, indirect, or consequential damages. Before application, the purchaser/user shall determine the suitability of the product for his/her intended use and Purchaser/User assumes all risks and liabilities whatsoever connected therewith. The terms of this paragraph may not be orally modified. There are no warranties which extend beyond the face hereof.



Technical Information

The following technical information was obtained using a liquid-polymer component to dry-component LAMBCO® FAST PATCH 2 ratio of 1-gallon (3.8-liters) to 50-lbs (22.7-kg) at 72°F (22.2°C).

Set Time (minutes) - ASTM C-191	Initial	20
	Final	40
Compressive Strength (psi) - ASTM C109	24-hours	>4,500
	7-days	>6,000
	28-days	>7,000
Bond Strength (psi) - FDOT FM 5-587	24-hours	>800
	7-days	>2,300
Flexural Strength (psi) - ASTM C-580	7-days	>1,200

Coverage

One mixed-unit of LAMBCO® FAST PATCH 2 will yield 0.47-ft³ (0.013-m³) of mortar or cover 5.6-ft² @ 1-inch (0.5-m² @ 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

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

Liquid Component - 10-g/L or 0.08-lbs/gal less exempt content

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