

# FINISH COAT™ 70

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



## Product Description

LAMBCO® FINISH COAT 70 is a one-component, cement-based, fast-setting, extremely low shrinkage ultra-fine resurfacing material. The premium cements and additives contained within LAMBCO® FINISH COAT 70, coupled with excellent performance characteristics, make this product ideal for use in applications requiring very fine repairs such as patching pre-cast concrete or concrete tilt-wall panels.

## 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

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® FINISH COAT 70. The concrete substrate should be completely dry prior to, and during, application.

## Mixing and Placement

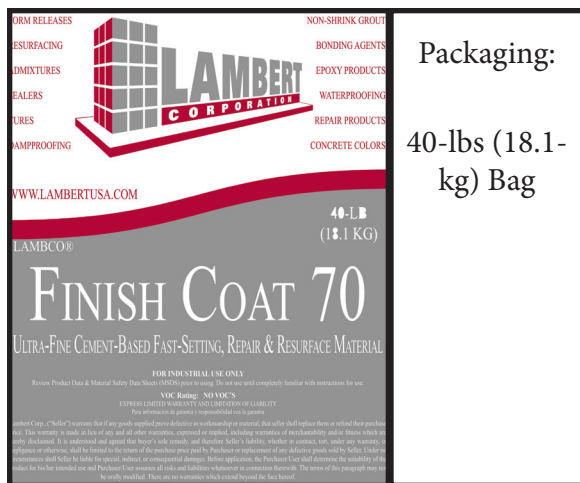
A paddle type mixer or a revolving concrete mixer can be used. Use a container that will facilitate continuous placement. Place water into mixer before dry mortar. LAMBCO® FINISH COAT 70 will require approximately 5.6-qts (5.3-liters) potable water per 40-lbs (18.1-kg) bag to achieve correct mixture. Blend for 3-minutes before placing material.

## Application / Placement

Apply the mixed material onto the prepared dry substrate by gloved-hand, trowel or screed. Ambient temperature range of 45°F (7.2°C) to 100°F (37.8°C) must be maintained during and for 6-hours following application. Place material immediately following mixing. Maximum application thickness is ¼-inch (6-mm). Finish the completed repair, as necessary, preventing overworking of the surface. Use trowel to cut material if needed as product dries (usually 8 to 15 minutes). Complete all sanding within 24-hours, beginning as soon as material dries.

## Limitations

LAMBCO® FINISH COAT 70 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, all properties may be adversely affected. LAMBCO® FINISH COAT 70 should not exceed applications greater than ¼-inch (6-mm).



Packaging:

40-lbs (18.1-kg) Bag

FINISH COAT 70

RESURFACE & REPAIR PRODUCTS



## Technical Information

The following technical information was obtained using a water to non-extended LAMBCO® FINISH COAT 70 ratio of 5.6-qts (5.3-liters) to 40-lbs (18.1-kg) at 72°F (22.2°C).

Flow (%) - ASTM C-1437	100	
Set Time (minutes) - ASTM C-191	Initial	45
	Final	180 (3-hours)
Compressive Strength (psi) - ASTM C109	24-hours	>1,000
	28-days	>3,000
Material Retained on Sieve Size for Micro-Aggregate	#100 (.149-mm)	1.9
	#200 (.074-mm)	11.6
	#325 (.044-mm)	18.8

### Coverage

One 40-lbs (18.1-kg) bag of LAMBCO® FINISH COAT 70 will yield 0.37-ft<sup>3</sup> (0.010-m<sup>3</sup>) of mortar or cover 4.4-ft<sup>2</sup> @ 1-inch (0.4-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.**

FINISH COAT 70

RESURFACE & REPAIR PRODUCTS