

Product Description

LAMBCO® BEARCRETE is a two-component horizontal, vertical, or overhead patch, repair, topping, and/or under-/over-layment system consisting of one 1-gallon liquid component and one 50-lbs bag of dry component. The system is prepackaged to contain all necessary constituents. **LAMBCO® BEARCRETE** is designed as a polymer-modified cementitious product, for repairs up to 2-inches (5.08-cm), on cementitious surfaces such as driveways, sidewalks, precast panels, cast-in-place concrete, barrier walls, or concrete floors.

Installation

Before using this product, please refer to the 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. Transportation, storage, means of utilization, and methods of application are not the responsibility of, nor within the scope of control of Lambert Corporation, and any question regarding the appropriate application of these products must be addressed with Lambert Corporation representatives prior to use. Field visits by Lambert Corporation personnel are for the purpose of making technical recommendations only, and not for supervising or providing quality control on the jobsite.

Surface Preparation

Concrete substrates must be structurally sound and fully cured (greater than 28-days since initial placement). Remove all unsound concrete and roughen the surface for the area to be patched, if necessary. Remove all laitance, oil, grease, curing compounds, bond breakers, form releases, and other contaminants that may negatively affect the bonding capability of the **LAMBCO® BEARCRETE**. The concrete substrate thoroughly dampened, free of all standing water, prior to application. Where exposed rebar warrants use of a surface applied bonding agent / corrosion-resistant rebar primer, use Lambert Corporation's EPIWELD® 90 CI. Refer to relative technical data sheets for complete application instructions.

Mixing

Product and appropriate liquid latex component amount must be mixed via mechanical means; manual agitation is not acceptable. A paddle type mixer or a revolving concrete mixer can be used. Use a container that will facilitate continuous placement. Place liquid portion into mixer specifically as directed within this section. Place entirety of liquid component into mixer. Add approximately 25-lbs (11.3-kg) of dry component (1/2-unit of **LAMBCO® BEARCRETE**) to mixer and blend for 1-minute. Add remaining material of unit (approximately 25-lbs) and blend for another 1-minute to obtain smooth consistency.

Application/Placement

Immediately following the mixing process, apply the correctly blended 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 (see Surface Preparation section regarding use of Lambert Corporation's EPIWELD® 90 CI where exposed reinforcing steel is present). Finish the completed repair, as necessary, preventing overworking of the surface. All project forms should be rigid, secure and properly sealed. Use appropriate Lambert Corporation form release and curing/sealing compound where necessary. Refer to relative technical data sheets for complete application instructions.

Curing

LAMBCO® BEARCRETE does not require curing at 73°F (22.8°C), but high heat or wind conditions will require appropriate curing methods as are defined by best industry practices, and ACI standard methodology to provide a appropriately-treated surface until product has reached sufficient cure.

 	<p>Packaging: 2 Component</p> <p>50-lb (22.7-kg) Bag & 1-gal (3.8-L) Jug</p> <p>Sold in Sets of 4 ONLY</p>
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Limitations

LAMBCO® BEARCRETE 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. Do not retemper after initial mixing.

Technical Information

The following technical information was obtained using a water to **LAMBCO® BEARCRETE** ratio of 1-part liquid (1-gallon prepackaged) to 1-part dry (50-lbs prepackaged) at 73°F (22.8°C).

Set Time (minutes) - ASTM C-191	Initial	160
	Final	225
Compressive Strength (psi) - ASTM C109	3-days	>2,250
	7-days	>3,000
	28-days	>4,200

Coverage

One system (50-lbs bag and 1-gallon jug; properly mixed) of **LAMBCO® BEARCRETE** will yield 0.43-ft³ (0.0122-m³) of mortar or cover 10.32-ft² @ 1/2-inch (0.96-m² @ 1.27-cm) 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 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.