

Product Description

L-16 SELF-LEVEL is a single-component polymer-modified high-quality self-leveling cementitious under- and overlayment material designed for use in the resurface and repair of unlevel cementitious surfaces, concrete "birdbathing", full repairs of delaminated or other wide area defects, and other issues. **L-16 SELF-LEVEL** is the ideal product for repairs in interior and exterior projects including, residences, warehouses, walkways, balconies, garages, pool decks, and patios. .

Installation

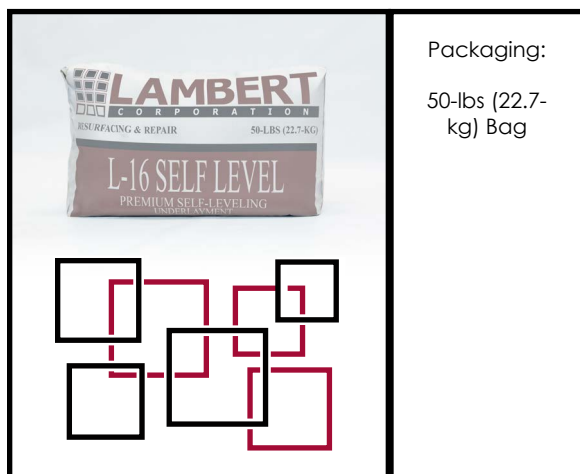
Before using this product, please refer to the Safety Data Sheet for additional information. Proper handling precautions **MUST** be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, 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 (28-days). Saw cut the perimeter of the area being patched into a square with a minimum depth of ¼-inch (6-mm). Remove all unsound concrete and roughen the surface to a minimum ¼-inch (6-mm) or a Concrete Surface Profile of 5 or greater (ICRI 310-2R). Remove all laitance, oil, grease, curing compounds, and other contaminants that may negatively affect the bonding capability of the **L-16 SELF-LEVEL**. Prior to installing **L-16 SELF-LEVEL**, apply PRIMER L16 latex adhesive product to surface following the product's Technical Data Sheet. PRIMER L16 must be damp or tacky when is **L-16 SELF-LEVEL** applied. If PRIMER L16 product dries, reapply as per product's instructions.

Mixing

Product and appropriate water 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 containers and personnel processes that facilitate continuous placement. Place water into mixing vessel before dry **L-16 SELF-LEVEL** material. **L-16 SELF-LEVEL** will require approximately 5-qts (4.73-liters) potable water per 50-lbs (22.7-kg) bag to achieve correct mixture. Blend for 4-minutes 30-seconds before placing material.



Packaging:
50-lbs (22.7-kg) Bag

Application/Placement

Following appropriate application of PRIMER L16 as per the product's Technical Data Sheet, apply the mixed **L-16 SELF-LEVEL** material onto the prepared surface by gloved-hand, trowel, float, or screed. Product will seek level. Ensure proper consolidation of the mortar and compaction around correctly-addressed reinforcing steel. Minimum application thickness is ¼-inch (6-mm). Finish the completed repair, as necessary, preventing overworking of the surface.

Limitations

L-16 SELF-LEVEL 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 3-inches (7.62-cm) in depth, use 25 – 50-lbs (11.4 – 22.7-kg) of ³/₈-inch (10-mm) washed, graded, rounded, low absorption, high-density aggregate per 50-lbs bag. Do not retemper after initial mixing.

Technical Information

The following technical information was obtained using a water to non-extended **L-16 SELF-LEVEL** ratio of 5-qts (4.73-liters) to 50-lbs (22.7-kg) at 73°F (22.8°C).

Set Time (minutes) - ASTM C-191	Initial	75
	Final	100
Compressive Strength (psi) - ASTM C109	24-hours	>3,000
	3-days	>3,500
	7-days	>4,000
	28-days	>6,500

Coverage

One 50-lbs (22.7-kg) bag of **L-16 SELF-LEVEL** will yield 0.46-ft³ (0.0128-m³) of mortar or cover 5.5-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 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.