



Insul-Bond™ L

DESCRIPTION:

Polymer-modified cementitious basecoat and adhesive used with El Rey Insul-Flex® EIFS.

USES:

- A. Basecoat for El Rey® Insul-Flex® Standard, Insul-Flex® VR Drainage, Insul-Flex® with Stucco Wrap and Insul-Flex® with House Wrap EIF systems. Insul-Bond™ L is also used as an adhesive to attach EPS insulation board to code-conforming substrates, including gypsum sheathing, glass fiber reinforced gypsum sheathing, concrete and masonry.
- B. Adhesive to bond EPS to listed substrates
- C. EPS adhesive for the following code-conforming substrates:
 - 1. Exterior grade gypsum sheathing and glass fiberfaced gypsum sheathing
 - 2. Masonry, concrete and cement board
- D. Leveler and filler for masonry, concrete and stucco surfaces. For this application only, Insul-Bond L can be built up to 3/8 in. (10mm) thick in a single pass.
- E. Compatible with El Rey Perma-Flex® finishes

COMPOSITION:

- A. Binder base: 100 percent acrylic polymers, compatible with portland cement.
- B. Water-based: VOC compliant
- C. Color: Light grey

COVERAGE:

- A. As an adhesive:
 - 1. El Rey Insul-Bond L with 5/16 in. (8mm) notched trowel: 220 - 250 ft² (20 - 23m²) /pail
 - 2. El Rey Insul-Bond L with 5/8 in. (16mm) notched trowel: 170 - 190 ft² (16 - 17m²) /pail
- B. As a double-layer Basecoat: 75 - 150 ft² (7 - 14m²) /pail
- C. As a leveler, coverage depends upon the thickness applied

PACKAGING:

- A. 55 lbs. (25 kg) net weight in plastic pails.
 - 1. Storage: Protect from sun and freezing at all times.
 - 2. Shelf Life: One year if protected from sun and freezing.

WORKING TIME:

- A. Sets up in 1-3 hours after cement has been added. Pot life time is affected by humidity and temperature.

DRYING TIME:

- A. Full adhesive bond strength is reached after 1-4 days, depending on humidity and temperature.

CLEAN-UP:

- A. Water soluble prior to drying. Clean tools and containers with water before material sets.

JOB PROCEDURE

- A. SURFACE PREPARATION:
 - 1. Planar irregularities are limited to 1/4 inch (6mm) or less in a 4 feet (1219mm) radius.
 - 2. Surface irregularities are limited to 1/8 inch (6mm) or less for masonry and concrete and 1/8 inch (3mm) or less for sheathing.
 - 3. Remove surface contaminants such as dust or dirt without damaging the substrate.
 - 4. Painted substrates must have the paint removed so that no more than 10 percent remains.

For additional options for surface preparation, contact an El Rey Technical Services Representative.



B. MIXING:

1. Use clean container free of foreign substances for mixing and preparation.
2. Thoroughly mix one 55 lbs. (25 kg) El Rey Insul-Bond L with up to 1 gal. (3.78L) of clean potable water, using a heavy duty 1/2 inch (12.7mm) drill with a rust-free paddle at 400-500 r/min. Pre-measure 55lbs. (25 kg) of portland cement.
3. While stirring Insul-Bond L, add small amounts of portland cement in increments to obtain a final ratio of 1:1, Insul-Bond L to portland cement.
4. Small amounts of clean potable water may be added to adjust workability.
5. Let the mixture stand for five minutes after initial mixing, then stir again, retempering once only as needed for workability.
6. Half batches may be mixed for convenience.
7. Use El Rey® Insul-Bond L immediately after tempering. Keep container closed when not in use.
8. No additives of any kind should be added under any circumstances.

C. APPLICATION:

1. Adhesive Application: Apply the adhesive to the entire surface on one face of the insulation board, using a 5/8 in. (16mm) u-notched trowel for concrete and masonry or 5/16 in. (8mm) u-notched trowel for gypsum sheathing. The ribbons should be of uniform thickness and reach the perimeter of the insulation board. To ensure high initial grab and uniform adhesive contact, apply insulation board to wall with firm pressure to entire surface. Apply sufficient pressure to flatten adhesive ridges. Glass fiberfaced gypsum sheathing requires extra pressure. Do not adjust insulation boards after placement.

Application	U-Notched Trowel	Flat Segment Trowel
Sheathing	5/16 in. x 5/16 in. (7.9 mm x 7.9mm)	3/4 in. (19.05mm)
Masonry	5/8 in. x 5/8 in. (15.88mm x 15.88mm)	1 in. (25.4 mm)
VR Assembly	1/2in. x 1/2in. (12.7mm x 12.7mm)	2 in. (50.8mm)

2. Basecoat Application: On adhesively attached EPS, wait 24 hours and until adhesive has fully cured and bonded. Rasp EPS. Using a stainless steel trowel, apply the basecoat mixture to the rasped surface of the insulation board to a uniform thickness of 1/16 - 3/32 in. (1.5 - 2.4mm Embed/trowel the glass fiber reinforcing mesh (Krak-Master™) immediately in the wet Insul-Bond basecoat mixture, working from the center to the edges of the mesh. The surface of the Insul-Bond basecoat mixture shall be smoothed with a trowel until the reinforcing mesh is fully embedded, and the base coat thickness is approximately 1/16 in. (1.5mm). The color of the reinforcing mesh should not be visible beneath the surface of the Insul-Bond basecoat material.

3. Premium Basecoat Application: Apply initial layer of Insul-Bond basecoat, followed by a second layer of Insul-Bond basecoat when the first layer is fully dry, for a total dry thickness between 3/32 in. (2.4mm) and 1/8 in. (3mm). (Note: Krak-Master™ Mesh should be embedded in 2nd layer when using this method.)
4. As a leveler or filler: Apply El Rey Insul-Bond L and trowel to a smooth, uniform surface. Maximum thickness in a single application will be no more than 3/8 in. (10mm).

CAUTIONS AND LIMITATIONS:

1. Ambient and surface temperatures must be 40° F (4° C) and rising during application and curing time. Provide supplemental heat and protection from precipitation as needed.
2. Use only on surfaces that are sound, clean, dry, unpainted and free from any residue which may affect the ability of the Insul-Bond L to bond to the surface.
3. Avoid application in direct sunlight in hot weather.
4. Do not use as a leveler for EPS. Rasp EPS level.
5. Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying this product.
6. Keep this product out of the reach of children.
7. El Rey Insul-Flex® EIFS should only be installed by an El Rey Listed Applicator.

Job Name _____

Contractor _____

Date _____

Submittal Approvals: _____

Stamps or Signatures _____



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