



Insul-Bond™ P

DESCRIPTION:

Insul-Bond™ P: 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 StuccoWrap™ and Insul-Flex® with House Wrap EIF systems. Insul-Bond™ P is also used as an adhesive to attach EPS insulation board to code-conforming substrates, including gypsum sheathing, glass fiber reinforced gypsum sheathing, concrete, masonry and cement board.
- B. Applied without the addition of cement
- C. Mixed on site with water
- D. Excellent workability
- E. Adhesive for the following code-conforming substrates:
 - 1. Exterior grade gypsum sheathing and glass fiberfaced gypsum sheathing
 - 2. Masonry, concrete and cement board
- F. Leveler and filler for masonry, concrete and stucco surfaces. For this application only, Insul-Bond can be built up to 1/4 inch (6mm) thick in a single pass.
- G. Compatible with El Rey Perma-Flex® finishes

COMPOSITION:

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

COVERAGE:

- A. As an adhesive: 65 – 85 ft² (6 – 7.9 m²)
- B. As a basecoat: 90 – 110 ft² (8.36 – 10.21m²)

CONTAINER:

50 lbs. (22.7 kg) net weight in multi-wall moisture-resistant bags.

STORAGE:

Store off the ground and protect from sun and moisture.

SHELF LIFE:

One year, if protected from sun, freezing and moisture.

WORKING TIME:

Pot life is 1-3 hours after water has been added. Open time is affected by humidity and temperature.

DRYING TIME:

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

CLEAN-UP:

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



JOB PROCEDURE

A. SURFACE PREPARATION:

1. Remove surface contaminants such as dust or dirt without damaging the substrate.
2. Painted substrates must have the paint removed by methods which result in no more than 10 percent of the remaining surface having paint.
3. For additional options for surface preparation, contact El Rey Technical Services Department.
4. Apply InsulBond P only when ambient and substrate temperatures are cool, but remain above 40°F/5°C for a minimum of 48 hours during and following application.

B. MIXING:

1. Use container free of foreign substances: 150 rpm/min 1/2 in. (12.7mm) drill with jiffiler type paddle.
2. Add 1-1/2 gallons (5.7L) of clean cool water to an empty pail. Add basecoat Insul-Bond P and mix to a uniform consistency. Allow 5 minutes set time then remix using small amounts of water to adjust the workability.
3. El Rey basecoat Insul-Bond P should be used immediately after tempering.
4. El Rey basecoat Insul-Bond P may be retempered once, up to 45 minutes after it is initially mixed.
5. Use no additives of any kind.

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.

2. Basecoat Application: On adhesively attached EPS, wait 24 hours or 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 P and trowel to a smooth, uniform surface. Maximum thickness in a single application will be no more than 1/4 in. (6mm).

D. CAUTIONS AND LIMITATIONS:

1. Ambient and surface temperatures must be a minimum of 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 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.

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	1/2 in. x 1/2 in. (12.7mm x 12.7mm)	2 in. (50.8mm)

Job Name _____

Contractor _____

Date _____

Submittal Approvals: _____

Stamps or Signatures _____



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