



Flexible Base Coat

DESCRIPTION:

- A. Flexible Base Coat is an acrylic co-polymer based, waterproofing, adhesive basecoat and air-barrier membrane that is compatible with portland cement.
- B. Features and benefits to using Flexible Base Coat are:
 - Provides excellent waterproofing and EPS adhesive qualities for masonry and concrete.
 - Waterproofing basecoat with air-barrier membrane resists moisture intrusion.
 - EPS adhesive allows for the embedment of standard mesh.
 - Environmentally sound: Water based, VOC compliant.

USES:

Waterproofing and adhesive basecoat for use on masonry or concrete to protect vertical and sloped surfaces in EIFS.

COMPOSITION AND PHYSICAL PROPERTIES:

- A. Binder base: acrylic co-polymers compatible with portland cement.
- B. Water based: VOC compliant.
- C. Color: Gray
- D. Vapor Permeability: 2.5 perms (ASTM E 96)
- E. Water penetration resistance: withstands hydrostatic pressure.
- F. Freeze-thaw resistance: 60 cycle; pass (ASTM C 67, EIMA 101.01).
- G. Flexibility: Pass 1/8 inch (3mm) mandrel bend.

COVERAGE:

- A. As an adhesive using a stainless steel trowel: 80 - 100 ft² (7.5 - 9.3m²) /pail.
- B. As a waterproof basecoat to embed Standard Mesh: 90 - 110 ft² (8.4 - 10.3m²) /pail.

PACKAGING:

- 50 lb (22.7 kg) net weight in plastic pails.
- A. Storage: Protect from heat and freezing at all times.
- B. Do not stack more than 3 pails high.
- C. Keep container closed when not in use.
- D. Shelf life: One year if protected from sun and freezing.

JOB PROCEDURE

A. Surface Preparation:

1. Painted substrates must have the paint removed with methods which result in no more than 10 percent of the remaining surface having paint.
2. Irregular and uneven surfaces should be filled with Insul-Bond™.
3. For additional options for surface preparation, contact El Rey Technical Services Department.

B. Mixing:

1. Use clean container free of foreign substances for mixing and preparation.
2. Stir Flexible Base Coat to a uniform consistency.
3. Premeasure 25 lb (11.7 kg) of Type I or I-II portland cement.
4. While stirring Flexible Base Coat, small amounts of portland cement shall be added in increments to obtain a final ratio of 2:1 Flexible Base Coat to portland cement.
5. Small amounts of clean potable water may be added to adjust workability.
6. After a brief period following initial mixing, the mixture may be tempered if necessary.
7. Flexible Base Coat should be used immediately.
8. No additives of any kind (except portland cement) such as rapid binders, anti-freeze, accelerators, fillers, pigments, etc. should be added under any circumstances.

C. Application:

1. As an adhesive: Apply a continuous layer of Flexible Base Coat at least 1/8 in. (3mm) thick to the substrate. To ensure high initial grab and uniform adhesive contact, apply insulation board to wall with firm pressure to entire surface.
2. As a waterproof base coat: Apply Flexible Base Coat with a stainless steel trowel to the rasped surface of the insulation board

- to a uniform thickness of 1/16-3/32 in. (1.5 - 2.4mm). Embed Standard Mesh immediately in the wet Flexible Base Coat. Smooth the surface of the Flexible Base Coat with a trowel until the reinforcing mesh is fully embedded. The pattern of the mesh should not be visible beneath the surface of the Flexible Base Coat.
3. The Base Coat must be dry and hard prior to applying primer.

Working Time:

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

Drying Time:

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

Cleanup:

1. Water soluble prior to drying. Clean tools and containers with water before polymer/cement mixture sets.

Limitations:

1. Ambient and surface temperatures must be 40° F (4°C) or above during application and curing time.
2. Supplemental heat and protection from precipitation must be provided as needed.
3. Use only on surfaces that are sound, clean, dry, unpainted, and free from any residue which may affect the ability of Flexible Base Coat to bond to the surface.
4. Avoid application in direct sunlight in hot weather.
5. Application to sloped surfaces should be limited to minimum pitch of 6/12 with the run of the slope no more than 12 inches (30.5 cm). For other applications, contact El Rey Technical Services.

Job Name _____

Contractor _____

Date _____

Submittal Approvals: _____

Stamps or Signatures _____

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Stucco

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