

El Rey[®]
Stucco

Fiber-47™
Three Coat Stucco Solutions.



The single source for three coat stucco.

El Rey sets the standard for three coat stucco by combining a high-quality, factory formulated Fiber-47™ product with all the components and finishes required for the project. By providing a single source of supply, El Rey:

- Designs all its products to work together, ensuring superior results
- Gives customers the confidence they'll receive the service and support they need
- Makes products easily obtainable and ready for prompt delivery from regional facilities

The El Rey advantage.

Established in 1968, El Rey has earned a reputation for consistent, high-quality products backed by industry-leading service and support. It is the reason why architects specify El Rey Fiber-47. It is also the reason why builders, plasterers and distributors prefer it, and why homeowners recognize the name for the value it adds to their property.

The key is consistency.

El Rey Fiber-47 is a fiber-reinforced scratch and brown basecoat that is factory blended using rigorous quality controls to ensure batch-to-batch consistency.

The Fiber-47 advantage.

Available in sanded and non-sanded versions, Fiber-47 can be installed in accordance with ASTM C 926 over framed construction, properly prepared concrete or masonry using code-conforming lath.

- Supports a wide range of uses and fire-resistant ratings as a code-conforming assemblies
- Extremely impact resistant
- Impervious to termites, rot and fungus
- Greater thickness accommodates a wider variety of architectural detailing.
- Fiber reinforcement increases crack resistance and long-term durability
- Suitable for alternative construction such as adobe, straw bale, etc.
- Easier to trowel and pump than field mixes, reducing scaffolding time and expense



Fiber-47 consistency results in more efficient application and lower project costs.

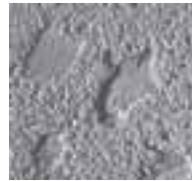
The finishing touch.

El Rey manufactures a wide range of high-quality of both cementitious and acrylic finishes that complement Fiber-47 stucco construction.

El Rey Premium Stucco Finishes come in a standard selection of 30 contemporary colors and are vapor permeable, allowing moisture to escape and evaporate.



Float



Textured

El Rey Perma-Flex® 100% acrylic-based finishes are available in almost any color, up to six textures and three grades. Perma-Flex finishes are vapor permeable, UV resistant, color consistent and include DPR (dirt-resistant) technology.



Smooth



Fine



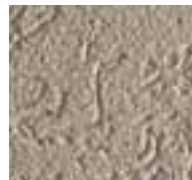
Medium



Coarse



Swirl Fine



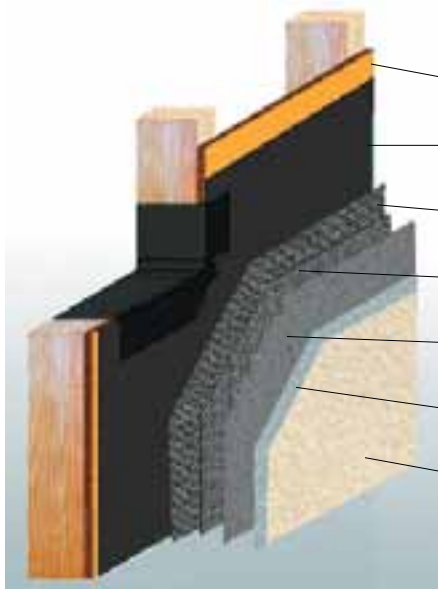
Swirl Coarse

A wide array of finishes complete the picture for El Rey Fiber-47 construction



Dependable service from start to finish.

Superior service is a tradition at El Rey with service representatives who are eager to help ensure projects are off to a great start. Once projects are underway, field service personnel are available to provide jobsite support and technical assistance.



Substrates: Concrete/masonry, code-conforming exterior grade sheathing such as gypsum-based sheathing, wood-based sheathing, XPS or EPS, or asphalt-impregnated sheathing.

Weather-resistive barrier: Protects the substrate from incidental moisture. See local codes for requirements.

Lath: Used to attach and support the Fiber-47 basecoat to approved substrates and wall assemblies. See local codes for requirements.

Fiber-47: Serves as scratch and brown coats. Crack resistance can be improved by embedding Krak-Master™ woven fiberglass mesh into the brown coat.

Conditioner: (Acrylic finishes only) Surface preparation to improve better bonding, color consistency and finish coverage, and to consolidate and harden concrete/masonry surfaces.

Primer: (Acrylic finishes only) Surface preparation to enforce better bonding ability, ensuring color consistency and improving finish coverage.

Finish: Designed to provide color and texture to the exterior surface. Cementitious and acrylic stucco finishes are available.

Fiber-47™

Description:

- A. Factory blend of portland cement, lime, fibers, and proprietary additives designed for scratch and brown coats for stucco assemblies complying with ASTM C 926.
- B. Available in concentrate and sanded versions.
- C. In the concentrate version, specified sand (conforming to ASTM C 897) is added at jobsite.
- D. Fiber-47 meets code requirements (Chapter 25 UBC, Chapter 25 IBC, Chapter 7 IRC and ASTM C 926).
- E. Color: Gray.

Uses:

- A. Fiber-47 can be applied over properly prepared masonry and concrete substrates, and code-conforming lath assemblies.
- B. Can be finished with integrally colored El Rey Premium Stucco or Perma-Flex® Acrylic Stucco Finish.

10. Available Upgrades and Finishes:

- A. Stucco Enhancer
- B. KrakMaster™
- C. Superior Bond 100
- D. Premium Stucco Finish
- E. Perma-Flex 400 Conditioner (w/Perma-Flex finish only)
- F. Colored Primer
- G. Perma-Flex Acrylic Finish

Composition:

- A. Binder: Portland cement.
- B. Reinforcement: Fibers. Add specified sand (ASTM C 897) at job site (Fiber-47 Concentrate only).

Physical Properties:

- A. Meets code criteria for exterior portland cement plaster basecoats (or scratch and brown coats).

Coverage:

- A. Fiber-47 Concentrate w/250 lbs. to 400 lbs. (113.4 – 181.4kg) sand added per bag; 130 sq. ft. – 170 sq. ft. (12.0 – 15.7m²) @ 3/8 inch (10mm) thickness.
- B. Fiber-47 Sanded: 25 sq. ft. – 30 sq. ft. (2.3 – 2.7 m²) @ 3/8 inch (10mm) thickness.

Packaging/Storage:

- A. 90lb. (40.9kg) net weight in a multi-wall bag (Fiber-47 Concentrate).
- B. 80lb. (36.3kg) net weight in a multi-wall bag (Fiber-47 Sanded).
- C. Store off the ground and protect from the weather. One year shelf life.

Working Time:

30 to 45 minutes after mixing, depending upon conditions.

Job Procedure

A. Preparation:

1. Wood-based sheathing should be gapped 1/8 inch (3mm) at all edges to accommodate thermal expansion and contraction.
2. On framed substrates cover exterior grade wood-based or exterior grade gypsum based sheathings with two layers of a minimum of a grade "D" asphalt-saturated Kraft paper. All other sheathed substrates require one layer of a minimum Grade "D" asphalt-saturated Kraft paper. For applications over foam plastic insulation board, one layer of paper may be used, having a "60 minute" rating. Please see Reference Standards Summary. Also conform to all local codes and agencies having jurisdiction. Fiber-47 requires weather barriers installed and flashed in accordance with the building code and to form a water-shedding surface.
3. Lath shall be installed in accordance with ASTM C 1063. Metal lath shall be free of rust, oil, or other foreign matter.

4. On masonry, apply only to surfaces that are sound, clean, unpainted, and free of any residue which may affect the ability of Fiber-47 to bond to the surface. Solid bases shall have sufficient suction (ability to absorb water) or surface roughness or both to ensure an adequate bond for Fiber-47. Solid surfaces not meeting these requirements may require El Rey Superior Bond 100. Call El Rey for details.
5. Form ties or other obstructions and projecting joint mortar shall be removed or trimmed back flush with the substrate surface.
6. Do not apply to substrates which are frozen or contain frost or ice.
7. Apply to surface prepared as for portland cement plaster.
8. El Rey recommends the use of control joints with Fiber-47. Placement of the control and expansion joints is the responsibility of the design professional.

B. Mixing Instructions:

1. **Fiber-47 Concentrate:** Add to plaster mixer 6-1/2 to 8 gallons (24.6 – 30.3 liters) of mixing water for each 90-pound (40.9kg) bag of Fiber-47 concentrate to be mixed in a batch. Mixing water shall be cool at a uniform temperature above 40°F/5°C. Maintain same water parameters for all batches.
2. Add to mixer 100 to 150 lbs. (45- 68kg) of clean plaster sand equal to approx. 1-2/3 to 2-1/2 5-gallon (18.9 liter) pails of damp sand for each bag of Fiber-47 concentrate to be mixed. Plaster sand shall be clean, graded and conform to ASTM C 897.
3. Add Fiber-47 concentrate to the mixer followed by remainder of required sand for the batch size, that is, 200 to 250 lbs. (90.7 – 113.4kg) of additional sand (equal to approx. 3-1/3 to 4 - 5 gallon or 18.9 liter pails of damp sand) for each bag in the batch. Mix for 3 to 5 minutes until mortar-like consistency is achieved.
4. Stop mixer and allow to slake for 8 minutes. Briefly remix before use (approximately 2 minutes). No unapproved additives of any kind should be added under any circumstances.

Sand Type shall be graded in accordance with ASTM C 144, ASTM C 897, within the following limits:

Sand Type (U.S. Standard Sieve)	% Weight Retained (Cumulative)+/- 2%
No. 4	0
No. 8	0-10
No. 16	10-40
No. 30	30-65
No. 50	70-90
No. 100	95-100

1. **Fiber-47 Sanded:** Add to plaster mixer 2-1/2 gallons (9.5 liters) of mixing water for each 80-pound (36.3kg) bag of Fiber-47 Sanded to be mixed in a batch. Mixing water shall be cool at a uniform temperature above 40°F/5°C. Maintain same water parameters for all batches.
2. Add Fiber-47 Sanded to the mixer. Mix for 3 to 5 minutes until mortar-like consistency is achieved.
3. Stop mixer and allow to slake for 8 minutes. Briefly remix before use (approximately 2 minutes). No unapproved additives of any kind should be added under any circumstances.

NOTE: If Fiber-47 is acrylic polymer modified and El Rey® Premium Stucco Finish is used, then the Premium Stucco Finish must be acrylic modified as well. No unapproved additives are allowed.

C. Application:

1. Apply Fiber-47 scratch coat by pump or hand trowel to an approximate thickness of 3/8 in. (10mm) per coat. Surface of the first or scratch coat shall be crossbraked or scratched, usually horizontal, to form a mechanical key for succeeding second or brown coat.
2. Apply Fiber-47 brown coat by pump or hand trowel to 3/8 inch (10mm) minimum thickness. Darby, then

- rod brown coat to a true and even plane to provide a total scratch and brown thickness of 3/4 inch (19mm) when specified. Float brown coat with a wood float to provide a rough surface for an integrally colored cement based finish. Trowel brown coat smooth for acrylic finish. Finish to specified tolerances.
3. Interrupt or discontinue Fiber-47 application only at junctions of wall planes, openings or control joints to avoid cold joints and abrupt changes in the uniform appearance of succeeding coats.
4. Fiber-47 must be moist cured for the first 48 hours after application; depending on the environmental conditions it may be necessary to moist cure 4 or 5 times a day. Moist cure by uniformly spraying clean water on the wall to sufficiently saturate the Fiber-47. There should be no visible water on the surface when a succeeding coat is applied. To improve the bond between the coats and reduce rapid water loss, the brown coat may be applied as soon as the scratch coat is sufficiently rigid to resist cracking from the pressure of the brown coat application and leveling process (per IBC 2003, Section 2512.8, "The second coat is permitted to be applied as soon as the first coat has attained sufficiently rigidity to receive the second coat."). Fiber-47 application shall be in compliance with requirements of applicable codes, regulations and agencies having jurisdiction.

Optional Upgrade: Embed KRAK-MASTER™ mesh into the rodged, wet brown coat. Float the surface to ensure mesh is uniformly embedded, to promote densification of the coat and to provide a surface receptive to bonding of the finish coat.

Limitations:

1. Fiber-47 shall not be applied when temperatures fall below 40°F within 48 hours during and following application.
2. Fiber-47 should not be applied if ambient temperature exceeds 120°F (49°C) within 24 hours of application.
3. See packaging for handling precautions and product storage.
4. Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying this product.

Caution: Protect plaster from uneven curing or excessive evaporation or freezing 48 hours after application, or discoloration, streaking and/or evaporation may occur.

Product Data Sheet: Copyright February 2005. This information is designed to guide you and has been conscientiously compiled according to the latest state of our technology. No liability can be accepted in connection with the use of the product because of the great variety of applications and working conditions.

Job Name _____

Contractor _____

Date _____

Submittal Approvals: Stamps or Signatures



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