



# **Fiber-47 300 WaterMaster HE Cement Finish Specifications**

## **CSI SECTION 09 24 00**

### **CSI SECTION 09 24 00 – PORTLAND CEMENT PLASTER**

#### **El Rey® Fiber Reinforced Stucco with Enhanced Water Resistive Barrier**

#### **Cement Finish and Optional Krakmaster**

### **PART 1 - GENERAL**

#### **1.1 SECTION INCLUDES**

- A. Supply and Installation of El Rey Fiber-47 300 WaterMaster™ HE (High Efficiency) with Cement Finish Stucco Assemblies

#### **1.2 RELATED SECTIONS**

- A. Section 03 30 00 - Cast-in-Place Concrete
- B. Section 04 20 00 - Unit Masonry
- C. Section 06 16 00 - Sheathing
- D. Section 07 25 00 - Weather Barriers
- E. Section 07 62 00 - Sheet Metal Flashing and Trim
- F. Section 07 90 00 - Joint Protection
- G. Section 08 50 00 - Windows
- H. Section 09 21 16 - Gypsum Board Assemblies

#### **1.3 REFERENCES**

- A. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar
- B. ASTM C578 - Specification for Preformed, Cellular Polystyrene Thermal Insulation
- C. ASTM C847 - Standard Specification for Metal Lath
- D. ASTM C897 - Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plaster
- E. ASTM C926 - Standard Specification for Application of Portland Cement-Based Plaster
- F. ASTM C933 - Standard Specification for Welded Wire Lath
- G. ASTM C1032 - Standard Specification for Woven Wire Plaster Base
- H. ASTM C1063 - Standard Specification for Installation of Lathing and Furring for Portland Cement Based Plaster
- I. ASTM C1177 - Specification for Glass Mat Gypsum for Use as Sheathing
- J. ASTM C1278 - Specification for Fiber-Reinforced Gypsum Panel
- K. ASTM C1396 - Standard Specification for Gypsum Board
- L. ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials
- M. ASTM E119 - Method for Fire Tests of Building Construction and Materials
- N. ASTM E330 - Test Method for Structural Performance of Windows, Curtain Walls, and Doors by Uniform Static air Pressure Difference
- O. ASTM G153 - Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
- P. ICC Acceptance Criteria 212 - Acceptance Criteria For Water-Resistive Coatings Used As Water-Resistive Barriers Over Exterior Sheathing
- Q. ICC Acceptance Criteria 219 - Acceptance Criteria for Exterior Insulation And Finish Systems

## 1.4 ASSEMBLY DESCRIPTION

- A. El Rey Fiber-47 300 WaterMaster™ HE Stucco Assembly: Parex USA WeatherSeal (with sheathing joint tape reinforcement), Continuous Insulation, wire fabric or metal lath, El Rey Fiber-47 Scratch & Brown (El Rey Fiber-47 Scratch & Brown Concentrate or El Rey Fiber-47 Scratch & Brown Sanded) (¾ in (19 mm)) and a cement finish coat.

-OR-

- A. El Rey Fiber-47 300 WaterMaster HE Krakmaster™ Stucco Assembly: Parex USA WeatherSeal (with sheathing tape joint reinforcement), Continuous Insulation, wire fabric or metal lath, El Rey Fiber-47 Scratch & Brown (El Rey Fiber-47 Scratch & Brown Concentrate or El Rey Fiber-47 Scratch & Brown Sanded) (¾ in (19 mm)), fiberglass reinforcing mesh embedded in Parex USA Stucco Level Coat, Parex USA Adacryl Bonder & Admix and a cement finish coat.

## 1.5 SUBMITTALS

- A. General: Submit Samples, Water resistive barrier coating Evaluation Reports and manufacturers' product datasheets in accordance with Division 1 General Requirements Submittal Section.
- B. Samples: Submit samples for approval. Samples shall be of materials specified and of suitable size as required to accurately represent each color and texture used on project. Prepare each sample using same tools and techniques for actual project application. Maintain and make available, at job site, approved samples.
- C. Manufacturer's Warranty: Submit sample copies of Manufacturer's Warranty indicating Single Source Responsibility for Water Resistive Barrier coating, Stucco Base coat, finish coat and optional Primer, level coat and reinforcing mesh as specified.

## 1.6 QUALITY ASSURANCE

- A. Qualifications:
1. Manufacturer: Shall have marketed stucco assemblies in United States for at least five years and shall have completed projects of same general scope and complexity.
  2. Applicator: Shall be experienced and competent in installation of stucco materials, and shall provide evidence of a minimum of 5 years experience in work similar to that required by this section.
- B. El Rey Fiber-47 300 WaterMaster HE Stucco Functional Criteria:
1. General: Stucco application shall be to vertical substrates or to substrates sloped for positive drainage. Substrates sloped for drainage shall have additional protection from weather exposure that might be harmful to coating performance.
  2. Performance Requirements of Water Resistive Barrier Coatin

WeatherSeal Testing	Method	ICC and ASTM E2570 Criteria	Results
Accelerated Weathering	AC 212	25 Cycles followed by Hydrostatic Pressure Test: No water penetration on the plane of the exterior facing side of the substrate.	Pass: no water penetration
Air Infiltration	ASTM E2178	Calculated flow Rate at 75 Pa (1.57 lb/ft <sup>2</sup> , 0.3 in H <sub>2</sub> O) = < 0.02 L/m <sup>2</sup> *s (< 0.004 cfm/ft <sup>2</sup> )	< .00001 L/m <sup>2</sup> *s (0.00001 cfm/ft <sup>2</sup> ) at 75 Pa (1.57 lb/ft <sup>2</sup> , 0.3 in H <sub>2</sub> O)
Air Leakage of Air Barrier Assemblies	ASTM E2357	Pass < 0.2 L / s·m <sup>2</sup> at 75 Pa) (< 0.04 cfm / ft <sup>2</sup> at 1.57 psf)	Pass
Air Leakage	ASTM E283	No Criteria	< 0.004 cfm/ft <sup>2</sup>
Elongation	ASTM D412	No Criteria	360%
Flexibility	ASTM D522	No Criteria	No Cracking at ⅛ in (3 mm)
Freeze-Thaw Resistance	ASTM E 2485	10 Cycles	Pass – No Deleterious Effects
Hydrostatic Pressure Test	AATCC 127 (Water Column)	Resist 21.6 in (55 cm) water for 5 hours before and after aging	Pass: no water penetration
Nail Sealability, Head of Water	ASTM D1970	No Criteria	Pass 5 inches of water

WeatherSeal Testing	Method	ICC and ASTM E2570 Criteria	Results
Racking	ASTM E72	Deflection at 1/8 in (3.2 mm)	Pass -No cracking at field, joints or flashing connection
Restrained Environmental	ICC ES AC 212 / ASTM E2570	5 Cycles of wetting and drying	Pass -No cracking at field, joints or flashing connection
Structural Loading	ASTM E1233 Procedure A	10 Cycles @ 80% design load	Pass -No cracking at field, joints or flashing connection
Surface Burning Characteristics	ASTM E84	Flame Spread <25 Smoke Developed <450	Flame Spread =0 Smoke Developed =0
Tensile Bond Strength	ASTM E 2134/ ASTM C 297	Minimum 15 psi (104 kPa)	Pass all listed substrates and flashing materials
Water Resistance	ASTM D 2247	14 Days	Pass – No Deleterious Effects.
Water Penetration	ASTM E331	2.86 psf (137 Pa) for 15 minutes	Pass 25.4 psf (1216 Pa) for 165 minutes
Water Penetration	ASTM E331	Tested after Structural Loading, Racking and Restrained Environmental Cycling at 2.86 psf (137 Pa) for 15 minutes	No Water Penetration
Water vapor transmission	ASTM E96 Procedure B	Vapor Permeable	12. perms
Weathering	ICC ES AC 212 / ASTM E2570	210 hours of UV Exposure, 25 cycles of accelerated weathering, 21.6 in (549 mm) water column for 5 hours	Pass
Wind Driven Rain	F.S. TT-C-555B	No Criteria	Pass
VOC	EPA Reference Test Method 24	US EPA, South Coast AQMD and Greenseal Standard	10 g/L

3. Performance Requirements of Coatings applied to Expanded polystyrene features: Must comply with ASTM E 2568 or ICC Acceptance Criteria AC 219 for EIFS.

C. Substrate Conditions:

1. Substrate materials and construction shall conform to the the building code having jurisdiction
2. Substrates shall be sound, dry and free of dust, dirt, laitance, efflorescence and other harmful contaminants.
3. Substrate Dimensional Tolerances: Flat with 1/4 in (6.4 mm) within any 4 ft (1220 mm) radius.
4. Maximum deflection of substrate system under positive or negative design loads shall not exceed L/360 of span.

D. Expansion and Control Joints: Continuous expansion and control joints shall be installed at locations in accordance with ASTM C1063 and ASTM C926.

1. Substrate movement, and expansion and contraction of El Rey Fiber-47 300 WaterMaster HE Stucco Assembly and adjacent materials shall be taken into account in design of expansion joints, with proper consideration given to sealant properties, installation conditions, temperature range, coefficients of expansion of materials, joint width to depth ratios, and other material factors. Minimum width of expansion joints shall be as specified by the designer or shown on the project drawings.
2. In accordance with ASTM C1063, expansion or control joints shall be installed in walls not more than 144 ft<sup>2</sup> (13.4 m<sup>2</sup>) in area, and not more than 100 ft<sup>2</sup> (9.3 m<sup>2</sup>) in area for all non-vertical applications. The distance between joints shall not exceed 18 ft (5.5 m) in either direction or a length-to-width ratio of 2-1/2 to 1.

## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver El Rey Fiber-47 300 WaterMaster HE Stucco Assembly products in original packaging with manufacturer's identification.
- B. Storage: Store El Rey Fiber-47 300 WaterMaster HE Stucco Assembly products in a dry location, out of direct sunlight, off the ground, and protected from moisture.

## 1.8 SITE / ENVIRONMENTAL CONDITIONS

- A. Substrate Temperature: Do not apply El Rey products to substrates whose temperature are below 40°F (4°C) or contain frost or ice.
- B. Inclement Weather: Do not apply El Rey products during inclement weather, unless appropriate protection is employed.
- C. Sunlight Exposure: Avoid, when possible, installation of the El Rey products in direct sunlight. Application of El Rey Finishes in direct sunlight in hot weather may adversely affect aesthetics.
- D. Do not apply stucco base coats or finishes if ambient temperature falls below 40°F (4°C) within 24 hours of application. Protect stucco from uneven and excessive evaporation during dry weather and strong blasts of dry air.
- E. Prior to installation, the wall shall be inspected for surface contamination, or other conditions that may adversely affect the performance of the El Rey Fiber-47 300 WaterMaster HE Stucco Assembly, and shall be free of residual moisture.

## 1.9 COORDINATION AND SCHEDULING:

- A. Coordination: Coordinate El Rey Fiber-47 300 WaterMaster HE Stucco Assembly installation with other construction operations.

## 1.10 WARRANTY

- A. Warranty: Upon request, at completion of installation, provide El Rey Standard Limited Stucco Warranty

EDITOR NOTE: SEE EL REY'S WARRANTY SCHEDULE FOR AVAILABLE WARRANTIES.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Manufacturer: Parex USA, Inc., 4125 E. La Palma Ave., Suite 250, Anaheim, CA 92807
- B. Components: Obtain components manufactured by Parex USA of El Rey Fiber-47 300 WaterMaster HE Stucco Assembly from authorized distributors. No substitutions or additions of other materials are permitted without prior written permission from Parex USA for this project.

### 2.2 MATERIALS

- A. Stucco Base
  - 1. El Rey Fiber-47 Scratch & Brown (3/4")
    - a. El Rey Fiber-47 Scratch & Brown Concentrate: A factory blended portland cement, fibers, hydrated lime and proprietary ingredients, cement scratch and brown coat mixed in the field with sand, conforming to ASTM C926.
    - OR-
    - a. El Rey Fiber-47 Scratch & Brown Sanded: A factory blend of portland cement, lime, fibers, proprietary additives and sand, scratch and brown coat, mixed in the field with water, conforming to ASTM C926.

EDITOR NOTE: MODIFY BELOW TO SUIT REQUIREMENTS. CHOOSE OPTIONAL PAREX USA ADACRYL BONDER & ADMIX FOR ENHANCED PERFORMANCE

- A. Parex USA Adacryl Bonder & Admix: 100% acrylic emulsion additive for portland cement based products, to enhance curing, adhesion, freeze-thaw resistance and workability and as an acrylic polymer bonding agent and/or as an acrylic polymer bonding agent for between a cementitious base and stucco finish coat.

EDITOR NOTE: MODIFY BELOW TO SUIT REQUIREMENTS. CHOOSE EL REY FIBER-47 300 KRAKMASTER STUCCO ASSEMBLY FOR ENHANCED CRACK RESISTANCE PERFORMANCE.

- B. Leveling and Reinforcing Coat (Kraakmaster Stucco Assembly):
  - 1. Stucco Level Coat™: Copolymer based, factory blend of cement and proprietary ingredients requiring addition of water.
  - 2. Parex USA 355 Standard Mesh: Weight 4.5 oz/yd<sup>2</sup> (153 g/m<sup>2</sup>) reinforcing mesh.

EDITOR NOTE: MODIFY BELOW TO SUIT REQUIREMENTS. CHOOSE ONE FINISH TYPE FOR DIFFERENT LEVELS OF ENHANCED WARRANTY.

- C. El Rey Premium Stucco finish: blend of portland cement, hydrated lime, aggregates and additives.

### 2.3 RELATED MATERIALS AND ACCESSORIES

- C. General: El Rey Fiber-47 300 WaterMaster and its related materials shall conform to ASTM C926, this specification and Product Data Sheets.
- D. Substrate Materials:
  - 3. Gypsum Sheathing: Minimum ½ in (13 mm) thick, core-treated, weather-resistant, exterior gypsum sheathing complying with ASTM C79 or ASTM C1177.
  - 4. Cement Board Sheathing, Minimum ½ in (13 mm) thick, conforming to ASTM C1186.
  - 5. Fiberboard: Minimum ½ in (13 mm) thick fiberboard complying with ANSI/AHA A194.1 as a regular density sheathing.
  - 6. Plywood: Minimum 5/16 in (8 mm) thick exterior grade or Exposure I plywood for studs spaced 16 in (406 mm) o.c. and 3/8 in (9.5 mm) thick exterior type plywood minimum for studs spaced 24 in (610 mm) o.c. Plywood shall comply be exterior grade or Exposure 1 and comply with DOC PS-1
  - 7. Oriented Strand Board (OSB): 7/16 - ½ in Wall-16 or Wall-24, approved by the APA, TECO, or PSI/PTL. Stamped as Exposure 1 or Exterior Sheathing with a PS2 or PRP-108 rating. The system is qualified for application to OSB (oriented strand board) sheathing only in areas shown in the Parex USA "Acceptable Substrates and Areas of Use" Technical Bulletin.
  - 8. Concrete Masonry Construction: Painted (coated) and non-painted (uncoated). Shall be in conformance with the building code.
  - 9. Other Approved by Parex USA in writing prior to the project.
- E. Water-Resistive Barrier:
  - 1. Parex USA WeatherSeal™ Spray & Roll-on water resistive barrier coating. Two coats are required on plywood and OSB
  - 2. Parex USA WeatherSeal™ Trowel-On water resistive barrier coating. Two coats may be required on plywood and OSB
  - 3. Parex USA 396 Sheathing Tape: Non-woven synthetic fiber tape to reinforce WeatherSeal water-resistive barrier at sheathing board joints, into rough openings and other terminations into dissimilar materials available in 4 in, 6 in and 9 in widths
- F. Optional Drainage
  - 1. Parex USA WeatherSeal covered by Dupont Tyvek Stuccowrap, DrainWrap, CommericalWrap D, or other water resistive barrier incorporating in itself a means of drainage and maintaining a current ICC Evaluation Report covered by Flat Insulation board.
  - 2. Parex USA WeatherSeal covered by WaterMaster Channeled Insulation Board.
- G. Continuous Insulation
  - 1. Expanded (EPS), or Extruded (XPS), having a nominal density of 1 lb/ft<sup>3</sup> (14 kg/m<sup>3</sup>).
  - 2. Polyisocyanurate Foam plastic complying with ASTM C1289 as Type II board with a nominal density of 2 pcf (32 kg/m<sup>3</sup>), thickness 1 in to 1½ inches.

EDITOR NOTE: THE SELECTION OF AN APPROPRIATE TYPE OF MATERIAL FOR ACCESSORIES SHALL BE DETERMINED BY APPLICABLE SURROUNDING CLIMATIC AND ENVIRONMENTAL CONDITIONS SPECIFIC TO THE PROJECT LOCATION, SUCH AS SALT AIR, INDUSTRIAL POLLUTION, HIGH MOISTURE, OR HUMIDITY.

- H. Lath and Accessories: Conform to ASTM C847, ASTM C933, ASTM C1032, ASTM C1063 and Appendix
  - 1. Accessories: Manufacturer's standard steel products with minimum G60 galvanizing unless otherwise indicated as rigid polyvinyl chloride (PVC plastic) or zinc alloy

EDITOR NOTE: SELECT LATH TYPE AND WEIGHT.

- 2. Metal Plaster Bases: Minimum 17 gauge self-furred stucco netting, minimum 2.5 lb/yd<sup>2</sup> (1.4 kg/m<sup>2</sup>) or 3.4 lb/yd<sup>2</sup> (1.8 kg/m<sup>2</sup>) expanded metal diamond lath, or welded wire lath in accordance with applicable codes and standards.
- 3. Weep Screeds: Per Applicable Building Code

EDITOR NOTE: THE SELECTION AND USE OF AN APPROPRIATE TYPE OF SEALANT SHALL BE DETERMINED BY APPLICABLE SURROUNDING CLIMATIC AND ENVIRONMENTAL CONDITIONS SPECIFIC TO THE PROJECT LOCATION.

- I. Expanded Polystyrene Features over El Rey Fiber-47 300 Stucco Base
  - 1. Adhesive and Base Coat
    - a. El Rey Insul-Bond: Modified portland cement adhesive and basecoat mixed with water, for exterior foam shapes, such as pop-outs, plant-ons, cornices and reveals Insulation Board
    - b. Produced and labeled under a third party quality program as required by applicable building code; and produced by a manufacturer approved by Parex USA.
    - c. Shall conform to ASTM C578, ASTM E2430 Type I and the Parex USA specification for Molded Expanded Polystyrene Insulation board.
  - 2. Parex USA Reinforcing Mesh
    - a. 355 Standard Mesh: Weight 4.5 oz. per sq. yd (153 g/m<sup>2</sup>) reinforcing mesh.
    - b. 356 Short Detail Mesh: Reinforcing mesh used for backwrapping and details.
- J. Seals, Sealants and Bond Breakers: Sealants shall conform to ASTM C920, Grade NS, Class 25, Use NT. Backer rod shall be closed-cell polyethylene foam.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Verify project site conditions under provisions of Section 01 00 00.
- B. Compliance: Comply with manufacturer's instructions for installation of El Rey Fiber-47 300 WaterMaster HE Stucco Assembly.

REMINDER: EL REY FIBER-47 300 WATERMASTER HE STUCCO ASSEMBLY MUST INSTALLED OVER A CODE COMPLYING WATER RESISTIVE BARRIER ON SOLID SURFACE OF MASONRY OR CONCRTE. WALL PERFORMANCE IS DEPENDENT UPON, AMONG OTHER FACTORS, PROPER FLASHING AND JOINT SEALING, AND ATTENTION TO PROPER FLASHING AND JOINT SEALANT DETAILS INDICATED ON DRAWINGS.

- C. Substrate Examination: Examine prior to El Rey Fiber-47 300 Stucco Base installation as follows:
  - 1. Substrate shall be of a type approved by Parex USA. Plywood and OSB substrates shall be gapped 1/8 in (3.2 mm) at all edges.
  - 2. Substrate shall be examined for soundness, and other harmful conditions.
  - 3. Substrate shall be free of dust, dirt, laitance, efflorescence, and other harmful contaminants.
  - 4. Substrate construction in accordance with substrate material manufacturer's specifications and
- D. Ensure that flashing has been installed per Specification Section 07 60 00 - Flashing and Sheet Metal.
- E. Advise Contractor of discrepancies preventing installation of the El Rey Fiber-47 300 WaterMaster HE Stucco Assembly. Do not proceed with y work until unsatisfactory conditions are corrected.

### 3.2 PREPARATION

IMPORTANT: COORDINATE TERMINATIONS OF STUCCO ACCESSORIES WITH SEALANT SECTION OF THE SPECIFICATION IN ORDER TO LEAVE REQUIRED SPACINGS FOR SPECIFIED JOINT DIMENSIONS.

- A. Wire Fabric Lath and Metal Lath: Install according to ASTM C1063 and Appendix and the Building Code.
- B. Concrete (Cast-in-Place): Provide a surface that is slightly scarified, water absorbent, straight and true to line and plane. Remove form ties and trim projecting concrete so it is even with the plane of the wall. Remove form release agents.
- C. Concrete Masonry Units: Remove projecting joint mortar so it is flush with the plane of the wall.

### 3.3 MIXING

- A. Mix El Rey proprietary products in accordance with manufacturer's instructions, including the applicable El Rey Fiber-47 300 Stucco Assembly Product Data Sheets.
- B. Admix – Parex USA Adacryl Bonder & Admix
  - 1. Mix up to 1 gallon per 90 pound bag of El Rey Fiber-47 Scratch & Brown Concentrate and up to 1 quart per 80 pound bag of El Rey Fiber-47 Scratch & Brown Sanded. Add after dry components and the majority of the water has been mixed. Mix no longer than required to provide a uniform mixture. DO NOT OVER-MIX. Overmixing entrains excessive amounts of air which weaken the material. Do not re-temper mixes over 20 minutes old.

### 3.4 APPLICATION

- A. General: El Rey Fiber-47 300 WaterMaster and its related materials shall conform to ASTM C926, this specification and Product Data Sheets
- B. Water Resistive Barrier:
  - 1. Treat all sheathing joints with Parex USA WeatherSeal water-resistive barrier with Sheathing Tape
  - 2. Flash all rough openings with Flashing Membrane or reinforced Parex USA WeatherSeal
  - 3. Apply Parex USA WeatherSeal Water-resistive barrier to the surface of the appropriate substrate (2 coats for Roll-on on plywood and OSB).
- C. Optional Drainage
  - 1. Parex USA WeatherSeal covered by Dupont Tyvek Stuccowrap, DrainWrap, CommericalWrap D, or other water resistive barrier incorporating in itself a means of drainage and maintaining a current ICC Evaluation Report covered by Flat Insulation board:.
  - 2. Parex USA WeatherSeal covered by WaterMaster Channeled Insulation Board.
- D. Continuous Insulation:
  - 1. Insulation Boards should be fastened to allow temporary placement until the lath is installed.
  - 2. The lath is applied tightly over the insulation board and fastened through the insulation board to wood studs or structural sheathing, Care must be taken to avoid overdriving fasteners.
- E. El Rey Fiber-47 300 Stucco Base:
  - 1. Scratch Coat:
    - a. Apply scratch coat to a minimum thickness of  $\frac{3}{8}$  in (9.5 mm), using sufficient trowel pressure to key stucco into lath or to create bond to substrates as applicable.
    - b. Prior to initial set, scratch horizontally to provide key for bond of brown coat.
    - c. Moist cure scratch coat with clean potable water for at least 48 hours in accordance with ASTM C926 and the building codes following initial application (unless brown coat is applied as soon as the scratch coat has achieved sufficient rigidity to support the brown coat).
  - 2. Brown Coat:
    - a. Apply brown coat to a minimum thickness of  $\frac{3}{8}$  in (9.5 mm), using sufficient trowel pressure to key stucco into scratch coat.
    - b. Rod surface to true plane and float to densify.
    - c. Trowel to smooth and uniform surface to receive acrylic polymer finish coat
    - d. Moist cure brown coat with clean potable water for at least 48 hours, in accordance with ASTM C926 and the building codes.

EDITOR NOTE: MODIFY BELOW TO SUIT REQUIREMENTS. CHOOSE EL REY FIBER-47 300 KRAKMASTER HE STUCCO ASSEMBLY FOR ENHANCED CRACK RESISTANCE PERFORMANCE.

- F. Leveling and Reinforcing Coat (El Rey Fiber-47 300 WaterMaster Krakmaster HE Stucco Assembly):
  1. After Moist Curing, allow El Rey Fiber-47 Stucco Base to air dry for 24 hours before applying the leveling and reinforcing coat.
  2. Using a stainless steel trowel, apply the Stucco Level Coat over the El Rey Fiber-47 Stucco Base at a thickness of  $1/16 - 3/32$  in. (1.6 – 2.4 mm).
  3. Fully embed the reinforcing mesh, either 355 Standard Mesh or 358.10 Intermediate Mesh, into the wet Stucco Level Coat including diagonal strips at corners of openings and trowel smooth. If 355 Standard Mesh is used, seams are overlapped 2½ in (63 mm), and if the 358.10 Intermediate Mesh is used, seams are butted and covered by strips of Detail Mesh 356.
  4. The acrylic primers and finishes can be applied as soon as the Stucco Level Coat has cured, typically after 24 hours.
- G. Parex USA Adacryl Bonder & Admix:
  1. Recommended as a surface bonding agent when cement finishes are to be applied over Stucco Level Coat.
  2. Apply according to product datasheets and application instructions using a low-pressure sprayer brush or roller (application in direct sunlight may cause the product to dry too quickly).
  3. Stucco finishes may be applied after Parex USA Adacryl Bonder & Admix becomes tacky up to 72 hours after application, but not while wet.
- H. Cement Finish Coat:
  1. Apply Stucco Finish according to product datasheet and application instructions.
  2. Protect El Rey Finish Coats from inclement weather until completely dry and cured.
- I. Curing: El Rey Stucco Base: Keep stucco moist for at least 48 hours (longer in dry weather) by lightly fogging walls. Start light fogging after initial set of 1–2 hours.

### 3.5 CLEAN-UP

- A. Removal: Remove and legally dispose of El Rey Fiber-47 300 WaterMaster HE Stucco Assembly component debris material from job site.

### 3.6 PROTECTION

- A. Provide protection of installed materials from water infiltration into or behind them.
- B. Provide protection of installed stucco from dust, dirt, precipitation, and freezing during installation.
- C. Provide protection of installed finish from dust, dirt, precipitation, freezing and continuous high humidity until fully cured and dry.
- D. Clean exposed surfaces using materials and methods recommended by the manufacturer of the material or product being cleaned. Remove and replace work that cannot be cleaned to the satisfaction of the Project Designer/Owner.

### END OF SECTION

Disclaimer: This guide specification is intended for use by a qualified designer. The guide specification is not intended to be used verbatim as an actual specification without appropriate modifications for the specific use intended. The guide specification must be integrated into and coordinated with the procedures of each design firm, and the requirements of a specific project.

**El Rey<sup>®</sup>  
Stucco**

www.elrey.com

#### Corporate Office

Parex USA, Inc.  
4125 E. La Palma Ave., Suite 250  
Anaheim, CA 92807  
(866) 516-0061  
Tech Support: (800) 226-2424

#### El Rey Sales Office

3830 Singer Blvd. NE  
Suite 2020  
Albuquerque, NM 87109  
Phone: (505) 873-1180  
Fax: (505) 345-9009

#### Facilities

Albuquerque, NM  
Colorado Springs, CO

