



# LaHabra Fastwall 100 Stucco Assemblies Specification

CSI SECTION 09 24 00

## CSI SECTION 09 24 00 – PORTLAND CEMENT PLASTER

LaHabra<sup>®</sup> Fastwall 100 Fiber Reinforced Stucco with Optional Krak-Shield  
(formerly LaHabra Wall One Coat Stucco)

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Supply and Installation of LaHabra Fastwall 100 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 219 - Acceptance Criteria for Exterior Insulation And Finish Systems

## 1.4 ASSEMBLY DESCRIPTION

A. LaHabra Fastwall 100 Stucco Assembly: A code complying water resistive barrier, wire fabric or metal lath, LaHabra Wall Stucco Base (LaHabra Wall Stucco Base Concentrate or LaHabra Wall Stucco Base Sanded) and either LaHabra cementitious stucco finish coat, acrylic or elastomeric based finish coat.

-OR-

A. LaHabra Fastwall 100 Krak-Shield™ Stucco Assembly: A code complying water resistive barrier, wire fabric or metal lath, Armourwall Stucco Base (LaHabra Wall Stucco Base Concentrate or LaHabra Wall Stucco Base Sanded), LaHabra reinforcing mesh embedded in LaHabra Stucco Level Coat, and either a LaHabra cementitious stucco finish coat, acrylic or elastomeric based finish coat.

## 1.5 SUBMITTALS

- A. General: Submit Samples, 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 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. Lahabra Fastwall 100 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. Testing to meet International Code Council Acceptance Criteria AC11
  - 3. Performance Requirements

<b>Fastwall 100 Test</b>	<b>Method</b>	<b>ICC AC 11 Criteria</b>	<b>Results</b>
Accelerated Weathering	ASTM G153	2000 Hours	No deleterious effect
Freeze-Thaw Resistance	ICC AC 11	10 cycles	Pass
Transverse Wind Load Resistance	ASTM E330	Meet Design Loads	Refer to ICC-ES ESR-2564
Fire Resistance	ASTM E119	One hour fire	Refer to ICC-ES ESR-2564
Drainage	ICC AC 11	90%	Refer to ICC-ES ESR-2564
<b>Acrylic Finish</b>	<b>Method</b>	<b>ICC or ASTM Criteria</b>	<b>Results</b>
Accelerated Weathering	ASTM G153 (ASTM G 23) ASTM G154	No deleterious effects* at 2000 hours when viewed under 5x magnification	2000 Hours: no deleterious effect 2000 Hours: no deleterious effect
Freeze/Thaw Resistance	ASTM E 2485	No deleterious effects* at 10 cycles when viewed under 5x magnification	60 cycles: no deleterious effect
Fungus Resistance	MIL STD 810B	No Requirement	28 days: no growth
Mildew Resistance	ASTM D 3273	No growth supported during 28 day exposure period	Pass
Moisture Resistance	ASTM D2247	No deleterious effects at 14 day exposure	Pass
Salt Fog Resistance	ASTM B117	No deleterious effects* at 300 hours	500 hours: no deterioration

- 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 ¼ 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 LaHabra Fastwall 100 Stucco 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 2-½ to 1.
  - 3. For direct appliacion to concrete or masonry, stucco joints are required only at control/expansion joints in the underlaying concrete or masonry

#### **1.7 DELIVERY, STORAGE, AND HANDLING**

- A. Delivery: Deliver LaHabra Fastwall 100 Stucco Assembly products in original packaging with manufacturer's identification.
- B. Storage: Store LaHabra Fastwall 100 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 LaHabra Fastwall 100 Stucco Assembly products to substrates whose temperature are below 40°F (4°C) or contain frost or ice.
- B. Inclement Weather: Do not apply LaHabra Fastwall 100 Stucco Base during inclement weather, unless appropriate protection is employed.
- C. Sunlight Exposure: Avoid, when possible, installation of the LaHabra Fastwall 100 in direct sunlight. Application of LaHabra 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 LaHabra Fastwall 100 Stucco Assembly, and shall be free of residual moisture.

#### **1.9 COORDINATION AND SCHEDULING:**

- A. Coordination: Coordinate LaHabra Fastwall 100 Stucco Assembly installation with other construction operations.

#### **1.10 WARRANTY**

- A. Warranty: Upon request, at completion of installation, provide LaHabra Standard Limited LaHabra Fastwall 100 Stucco Assembly Warranty.

EDITOR NOTE: SEE LAHABRA'S WARRANTY SCHEDULE FOR AVAILABLE LAHABRA FASTWALL 100 STUCCO ASSEMBLYWARRANTIES.

## **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 LaHabra Fastwall 100 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. LaHabra Fastwall 100 Stucco Assembly Materials:
  - 1. LaHabra Fastwall 100 Stucco Base ( $\frac{3}{8}$  in –  $\frac{1}{2}$  in)
    - a. LaHabra Wall Concentrate: Proprietary mixture of portland cement, and proprietary ingredients mixed with clean, cool, potable water, and ASTM C897 or ASTM C144 sand added in the field.
  - OR-
  - a. LaHabra Wall Sanded: Proprietary mixture of portland cement, and proprietary ingredients mixed with clean, cool, potable water in the field.

EDITOR NOTE: MODIFY BELOW TO SUIT REQUIREMENTS. CHOOSE OPTIONAL LAHABRA ADMIX FOR ENHANCED PERFORMANCE

- B. LaHabra Acrylic Bonder 100% acrylic admix emulsion for portland cement based products, to enhance curing, adhesion, freeze-thaw resistance and workability 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 LEVELING AND REINFORCING COAT FOR ENHANCED CRACK RESISTANCE PERFORMANCE.

- C. LaHabra Leveling and Reinforcing Coat (Required for LaHabra Fastwall 100 Krak-Shield Stucco Assembly): \*NOT FOR USE ON EPS FOAM SHAPES
  - 1. LaHabra Stucco Level Coat™: Copolymer based, factory blend of cement and proprietary ingredients requiring addition of water.
  - 2. Reinforcing Meshes:
    - a. Parex USA Standard Mesh: Weight 4.5 oz/yd<sup>2</sup> (153 g/m<sup>2</sup>) reinforcing mesh.

STUCCO LEVEL COAT SHALL NOT BE USED AS AN ADHESIVE OR BASE COAT FOR EXPANDED POLYSTYRENE INSULATION BOARD SHAPES OR FEATURES

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- D. Expanded Polystyrene Features over LaHabra Fastwall 100 Stucco
  - 1. Adhesive and Base Coat
    - a. Parex 121 Base Coat: 100% acrylic polymer base, requiring the addition of portland cement.
    - b. LaHabra Polybond: Modified portland cement adhesive and basecoat for exterior foam shapes, such as pop-outs, plant-ons, cornices and reveals mixed with water.
  - 2. Insulation Board
    - a. Produced and labeled under a third party quality program as required by applicable building code and produced by a manufacturer approved by Parex USA.
    - b. Shall conform to ASTM C578, ASTM E2430 Type I, and the Parex USA specification for Molded Expanded Polystyrene Insulation board.

3. Reinforcing Mesh

- a. Parex USA 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 LAHABRA ACRYLIC PRIMER FOR EXTENDED WARRANTY – FOR USE WITH ACRYLIC OR ELASTOMERIC FINISHES OR COATINGS ONLY – NOT TO BE USED WITH CEMENTITIOUS FINISH COATS

- E. LaHabra Acrylic Primer: 100% acrylic based coating to prepare surfaces for LaHabra finishes.

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

F. LaHabra Finish:

1. Acrylic or Elastomeric

- a. LaHabra Elastomeric Finish: Factory blended, 100% acrylic polymer based elastomeric textured finish, integrally colored. Finish texture and color as selected by Project Designer
- b. LaHabra Acrylic Finish: Factory blended, 100% acrylic polymer based finish, integrally colored. Finish texture and color as selected by Project Designer.

2. Cementitious Finish

- a. Exterior Stucco Color Coat: blend of portland cement, hydrated lime, aggregates and additives available in 16/20 and 20/30 aggregates.
- b. Santa Barbara Mission Finish (SBMF): Smooth stucco finish coat.

## 2.3 RELATED MATERIALS AND ACCESSORIES

- A. General: LaHabra Fastwall 100 Stucco Assembly and its related materials shall conform to the requirements of ICC-ES Evaluation Report No. 2564 and shall conform to this specification.

B. Substrate Materials:

1. Gypsum Sheathing: Minimum ½ in (13 mm) thick, core-treated, weather-resistant, exterior gypsum sheathing complying with ASTM C79 or ASTM C1177.
2. Cement Board Sheathing, Minimum ½ in thick, conforming to ASTM C1186.
3. Fiberboard: Minimum ½ in (13 mm) thick fiberboard complying with ANSI/AHA A194.1 as a regular density sheathing.
4. Plywood: Minimum <sup>5</sup>/<sub>16</sub> in (8 mm) thick exterior grade or Exposure I plywood for studs spaced 16 in (406 mm) o.c. and <sup>3</sup>/<sub>8</sub> in (9 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
5. Oriented Strand Board (OSB): <sup>7</sup>/<sub>16</sub> - 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 Lahabra "Acceptable Substrates and Areas of Use" Technical Bulletin.
6. Concrete Masonry Construction: Painted (coated) and non-painted (uncoated). Shall be in conformance with the building code.
7. Other Approved by Parex USA in writing prior to the project

C. Water-Resistive Barriers:

1. For non-wood based sheathing shall be either:
  - a. 1 layer asphalt-saturated felt complying with ASTM D 226 Type I.
  - b. Lath with appropriate paper backing
  - c. Other recognized equivalent

2. For wood based sheathing shall be either:
  - a. 2 layers of Grade D asphalt saturated Kraft building paper, or 1 layer of the Kraft building paper plus paper backed lath
  - b. Grade D paper with a water resistance equal to or greater than 60 minutes, with an intervening nonwater-absorbing layer or drainage space.
  - c. Other recognized equivalent
3. For solid sheathing with foam plastic insulation installed over the water-resistive barrier shall be either:
  - a. Dupont Tyvek®, Stuccowrap® or DrainWrap™
  - b. Other sheet good Water resistive barrier, incorporating in itself a means of drainage, and maintaining a current ICC Evaluation Report
4. Open Framing:
  - a. 1 layer Grade D asphalt saturated Kraft building paper.
  - b. 1 layer asphalt-saturated felt complying with ASTM D 226 Type I.
  - c. Other recognized equivalent

D. Polystyrene Insulation:

1. Over open framing: Tongue and Groove Expanded (EPS), or Extruded (XPS), having a minimum density of 1.5 lb/ft<sup>3</sup> (21 kg/m<sup>3</sup>), minimum thickness of 1 in (25.4 mm).
2. Over sheathing: Expanded (EPS), or Extruded (XPS), having a nominal density of 1 lb/ft<sup>3</sup> (14 kg/m<sup>3</sup>).

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.

E. 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: Foundation weep screed with minimum 3-1/2 inch vertical attachment flange.

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.

F. 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 LaHabra Fastwall 100 Stucco Assembly products.

REMINDER: LAHABRA FASTWALL 100 STUCCO ASSEMBLY MUST INSTALLED OVER A CODE COMPLYING WATER RESISTIVE BARRIER OR SOLID SURFACE OD 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 LaHabra Wall 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 applicable building codes.
- D. Advise Contractor of discrepancies preventing installation of the LaHabra Fastwall 100 Stucco Assembly. Do not proceed with the LaHabra Fastwall 100 Stucco Assembly work until unsatisfactory conditions are corrected.

### 3.2 PREPARATION

- A. Water Resistive Barrier:
  1. The water-resistive barrier is placed over all substrates except concrete or unpainted masonry. Painted (coated) CMU is to use a bond breaker such as asphalt paper and lath if the paint or coating cannot be removed.
  2. Installed according to manufacturers instructions.
- B. Expanded Polystyrene:
  1. Assemblies incorporating EPS must specify the Water resistive barrier in Section 2.3 C. 3.
  2. Install according to ICC Evaluation Report ESR 2564.
  3. The boards described in Section 2.3 D.1 are placed horizontally, with tongues faced upward, and are temporarily held in place with galvanized staples or roofing nails, on wood framing, and with self-tapping screws, on metal framing. Vertical butt joints must be staggered a minimum of one stud space from adjacent courses, and must occur directly over studs.
  4. Insulation Boards installed over a solid sheathing should be fastened to allow temporary placement until the lath is installed.
  5. 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.

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

- C. Wire Fabric Lath and Metal Lath: Install according to ICC Evaluation Report ESR 2564, ASTM C1063 and Appendix and the Building Code.
- D. 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.
- E. Concrete Masonry Units: Remove projecting joint mortar so it is even with the plane of the wall. Remove surface contaminants such as efflorescence, existing paint or any other bond inhibiting material by sandblasting, waterblasting, wire brushing, chipping or other appropriate means. Pre-moisten the surface with water just prior to placement of stucco, or apply LaHabra Acrylic Bonder.
- F. Ensure that metal flashing has been installed per Specification Section 07 60 00 - Flashing and Sheet Metal.

### 3.3 MIXING

- A. Mix LaHabra proprietary products in accordance with manufacturer's instructions, including the applicable LaHabra Fastwall 100 Stucco Assembly Product Data Sheets.
- B. Admix - Lahabra Acrylic Bonder
 

Mix up to 1 gal (3.8 L) per 1 bag of LaHabra Wall Stucco Concentrate. Mix up to 1 qt (1 L) per bag of LaHabra Wall 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: LaHabra Fastwall 100 Stucco Assembly and its related materials shall conform to the requirements of ICC-ES Evaluation Report No. 2564 and shall conform to this specification.
- B. Bonding Agent - LaHabra Acrylic Bonder
  - 1. Apply at the rate of 200 ft<sup>2</sup> per gallon using a low-pressure sprayer brush- or roller. (application in direct sunlight may cause the product to dry too quickly)
  - 2. Stucco finishes or other cement products should be applied after LaHabra Acrylic Bonder becomes tacky and up to 72 hours after application, but not while wet.
- C. LaHabra Wall Stucco Base:
  - 1. Either LaHabra Wall Stucco mixtures shall be applied in one or two coats to a minimum thickness of  $\frac{3}{8}$  in (9.5 mm) by hand troweling or machine spraying the mixture to the wire lath in accordance with LaHabra Wall Stucco Product Data Sheets. The maximum thickness applied in one pass is  $\frac{1}{2}$  in (12.7 mm).
  - 2. Rod surface to true plane and float to densify.
  - 3. Trowel to smooth and uniform surface to receive acrylic polymer finish coat.

EDITOR NOTE: MODIFY BELOW TO SUIT REQUIREMENTS. CHOOSE LAHABRA FASTWALL 100 KRAK-SHEILD STUCCO ASSEMBLY (D.) FOR ENHANCED CRACK RESISTANCE PERFORMANCE.

- D. Leveling and Reinforcing Coat (LaHabra Fastwall 100 Krak-Shield Stucco Assembly):
  - 1. After Moist Curing, allow LaHabra Wall to air dry a minimum of 24 hours before applying the leveling and reinforcing coat.
  - 2. Using a stainless steel trowel, apply the LaHabra Stucco Level Coat over the LaHabra Wall Stucco Base at a thickness of  $\frac{1}{16} - \frac{3}{32}$  in. (1.6 – 2.4 mm).
  - 3. Fully embed the LaHabra reinforcing mesh, either Parex USA Standard Mesh into the wet Stucco Level Coat including diagonal strips at corners of openings and trowel smooth. If Standard Mesh is used, seams are overlapped  $2\frac{1}{2}$  in (63 mm).
  - 4. The LaHabra acrylic primer and finishes can be applied as soon as the LaHabra Stucco Level Coat has cured, typically within 24 hours.
- E. Expanded Polystyrene Featured over over LaHabra Wall Stucco Base.
  - 1. Install back-wrap mesh at EPS terminations.
  - 2. Apply LaHabra adhesive to backs of insulation boards with a notched trowel. Allow to dry a minimum of 12 hours.
  - 3. Apply LaHabra Base coat to the entire foam shape and pull the backwrap mesh around the foam shapes and fully embed it into the base coat.
  - 4. Immediately embed the reinforcing mesh in the wet LaHabra Base coat.
- F. Lahabra Primer and Finish:
  - 1. Remove surface contaminants such as dust or dirt without damaging the substrate.
  - 2. Ambient and surface temperature must be 40°F (4°C) or higher during application and drying time. 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 that might affect the ability of the finish to bond to the surface.

EDITOR NOTE: MODIFY BELOW TO SUIT REQUIREMENTS. CHOOSE ONE #4

- 4. LaHabra Fastwall 100 Krak-Shield Stucco Assembly
  - a. Allow base coat to cure a minimum of 24 hours or longer as required by conditions. Examine the cured base coat for any irregularities.
  - b. Correct these irregularities to produce a flat surface.
  - c. Apply exterior wall acrylic finish in accordance with product datasheet and application instructions.

-OR-

4. A LaHabra Acrylic Primer and Finish Coat
    - a. After Moist curing, allow the LaHabra Wall Stucco Base to air dry.
      - (1) Minimum of 3 days if applying a LaHabra Primer
- OR-
- 1) Minimum of 7 days before application of a LaHabra Acrylic or Elastomeric based Finish Coat
  - 2) Apply exterior wall acrylic finish in accordance with product datasheet and application instructions.

-OR-

4. LaHabra Cement Finish Coat
  - a. Bonding Agent - LaHabra Acrylic Bonder (if specified): 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).
  - b. Stucco finishes may be applied after LaHabra Acrylic Bonder becomes tacky up to 72 hours after application, but not while wet.
  - c. Apply Stucco Finish according to product datasheets and application instructions. Apply exterior wall finish in number of coats thickness recommended by manufacturer to achieve texture indicated, using sufficient trowel pressure or spray velocity to bond finish to base coat.
5. Protect LaHabra Finish Coats from inclement weather until completely dry.

#### G. Curing

1. LaHabra Wall 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.
2. Air dry acrylic based and elastomeric finish coats only, do not wet cure.

### 3.5 CLEAN-UP

- A. Removal: Remove and legally dispose of LaHabra Fastwall 100 Stucco 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 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 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.

## NOTES



**Corporate Office**

Parex USA, Inc.  
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(866) 516-0061  
Tech Support: (800) 226-2424

**Facilities**

Riverside, CA  
French Camp, CA  
Albuquerque, NM  
Colorado Springs, CO  
Anaheim, CA

North Hollywood, CA  
San Antonio, TX  
Redan, GA  
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