

SECTION 072419 - WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. System is acceptable to authorities having jurisdiction based on evaluation per ICC-ES AC219, "Acceptance Criteria for Exterior Insulation and Finish Systems."
- B. Impact Classification: Medium Impact Resistance per EIMA 101.86.
- C. Submittals: Product Data model code evaluation report and Samples of finishes.
- D. Installer Qualifications: Certified in writing by system manufacturer.

PART 2 - PRODUCTS

2.1 AVAILABLE MANUFACTURERS

- A. El Rey Stucco Company, Grand Junction, Colorado, (970) 242-5491, "Insul-Flex with StuccoWrap".

2.2 MATERIALS

- A. Sheathing: 7/16-inch-thick, fiber cement board; ASTM C 1186, Type A; for exterior applications.
- B. Weather-Resistant Sheathing Paper: Tyvek "StuccoWrap".
- C. Molded-Polystyrene Board Insulation: ASTM C 578, Type I, complying with EIMA's "EIMA Guideline Specification for Expanded Polystyrene (EPS) Insulation Board."
- D. Reinforcing Mesh: Balanced, alkali-resistant, open-weave glass-fiber mesh treated for compatibility with other system materials, complying with ASTM D 578, and with minimum weight not less than 4.0 oz./sq. yd.
- E. Base-Coat Materials: EIFS manufacturer's standard mixture of portland cement complying with ASTM C 150, Type I, and polymer-emulsion adhesive designed for use indicated.
- F. Finish-Coat Materials: EIFS manufacturer's standard acrylic-based coating, consisting of polymer-emulsion binder, colorfast mineral pigments, sound stone particles, and fillers.
 - 1. Finish: "Royal"
- G. Mechanical Fasteners: EIFS manufacturer's standard corrosion-resistant fasteners consisting of thermal cap, standard washer and shaft attachments, and fastener.

- H. Trim Accessories: Type as designated or required to suit conditions indicated and to comply with EIFS manufacturer's written requirements; manufactured from UV-stabilized PVC. Provide manufacturer's standard vented drainage track at bottom termination of EIFS.
- I. Flashing Membrane: Manufacturer's standard self sealing rubberized asphalt, adhesive backed membrane.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with EIFS manufacturer's written instructions for installation of EIFS as applicable to each type of substrate indicated.
 - 1. Install weather restive barrier and flashing membrane at wall framed wall substrate and window openings to provide positive water flow from top to bottom of EIFS assembly.
 - 2. Apply trim accessories at perimeter of EIFS, at control joints. Coordinate with installation of insulation.
 - 3. Mechanically attach insulation to substrate in compliance with ASTM C 1397 and with EIFS manufacturer's written requirements.
 - 4. Install base coat with a minimum total thickness at least 1/16 inch, and completely covering reinforcing mesh so reinforcing-mesh color and pattern are not visible.
 - 5. Apply finish coat over dry base coat, in thickness required by EIFS manufacturer to produce a uniform color and texture, free of variations.
- B. Prepare joints and apply sealants to comply with applicable requirements in Division 07 Section "Joint Sealants" and with ASTM C 1481.

END OF SECTION 072419