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Environmental Coating Systems, Inc.  
668 N. Coast Highway #511  
Laguna Beach, CA 92651

RESEARCH REPORT: RR 24309  
(CSI 07180)

Expires: March 1, 2009

Attn: Judy Josephson  
(949) 497-4562

**GENERAL APPROVAL** - Renewal - "All Deck" Surfacing Materials for Exterior Walking Decks and for Class "B" Roofing System.

**DETAILS**

**WALKING DECK:**

"All Deck" surfacing is a three-coat system intended for use over plywood, concrete and other materials. The first coat consists of "All Deck" Taping Resin applied over ¾ oz. fiberglass mat at the rate of 50 to 60 square feet per gallon. The second coat, designated as "All Deck" Base Coat, is applied at the rate of 75 to 80 square feet per kit (one gallon base coat resin mixed with 8½ lb of aggregate). "All Deck" Finish Resin is then applied at the rate of 125 to 150 square feet per gallon.

**CLASS "B" ROOFING ASSEMBLY:**

"All Deck" roofing assembly is applied over minimum 5/8" exterior grade plywood at a slope not exceeding ½ inch per horizontal foot. The roof system is applied in the following manner:

1. A coat of AD-100 clear sealer is roller applied to the bare decks at a nominal coverage rate of 250 square feet per gallon.
2. All plywood deck seams are filled with AD-104 Patching Compound. The patching compound is trowel applied completely filling the seams.

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3. All plywood deck seams are covered with All-deck pre-punched seam metal, 2½" wide by 0.130" thick, which is mechanically fastened with 1¼" 3D Electro Galvanized box nails.
4. Two light coats of AD-104 patching compound are applied over the metal seam cover. The first coat is approximately 6 in. wide, the second coat approximately 12 in. wide, feathered along the edges.
5. One layer of 2 oz. non-woven fiberglass mat, cut to size.
6. A coat of AD-101 Laminating Resin is roller applied at a nominal coverage rate of 60 sq. ft. per gallon. Secondly, a steel conforming roller is rolled over the mat to insure the mat is in contact with the substrate.
7. A mixture consisting of one gallon of AD-102 Textured Base Coat mixed with one bag (8.73 lbs.) of All Deck Regular Formula Aggregate is spray applied at a coverage rate of 85 sq. ft./gallon.
8. A final coat of AD-103 (a waterproof Acrylic Finish Resin) is roller applied at a rate of 100 to 125 square feet per gallon.

**The approval is subject to the following conditions:**

1. The materials for the system shall be delivered to the jobsite in sealed containers identified by the manufacturer's name and product.
2. Applications of the materials for the walking deck and roofing system shall be in accordance with the manufacturer's instructions, a copy of which shall be available at each jobsite.
3. Surfaces to be covered shall be sound, clean and free of laitance, oil, wax or grease.

**DISCUSSION**

The approval of the roofing system is based on tests in accordance with U.B.C. Standard No. 15-2.

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Non-slip surfaces are required in accordance with Title 24. Approval for use in areas regulated by Title 24 requirements shall be obtained from the Disabled Access Section.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

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