

CSI: DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 18 13—Pedestrian Traffic Coatings

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Product: ALX Standard and Custom Cementitious Coating Systems with Full Coverage WP-40 Sheet Membrane

Listee: WESTCOAT

Evaluation: The ALX Standard and Custom cementitious coating systems with full coverage WP-40 sheet membrane was evaluated based on a tested assembly consisting of building-material components described in the Assembly Section, and tested in accordance with the following standard:

- ASTM E96-2013, Test Method for Water Vapor Transmission of Materials, ASTM International.

Assembly: The ALX Standard and Custom cementitious coating systems must be installed in accordance to Section 4.2 of ESR-2201 and consists of the following constituent components:

- Minimum 19/32 inch thick ACX plywood substrate.
- WP-40 self-adhering sheet membrane, nominally 40-mil-thick [0.04 inch (1.02 mm)], applied over the entire plywood deck.
- Metal lath, installed over the plywood substrate, is a 2.5 lb/yd² (1.36 kg/m²), hot-dipped galvanized, expanded metal lath complying with ASTM C847.
- Base coat applied over the lath consisting of one 50-pound (22.5 kg) bag of TC-1 Basecoat Cement combined with 1¹/₄ gallons (4.73 L) of WP-81 Cement Modifier and up to 1 quart of water (946.4 mL), mixed to a uniform consistency and applied onto the lath at a rate of 40 square feet (3.68 square meters) per 4.5-gallon (17 L) batch. The minimum dry thickness of the base coat must be 0.142 inch (3.6 mm).
- Slurry coat mixture applied over the cured base coat consisting of one bag of TC-1 Basecoat Cement, 1 gallon (3.78 L) of WP-81 Cement Modifier, and up to 1/2 gallon (0.95 L) of water is mixed; it must be applied onto the cured base coat at a rate of 100 to 150 square feet (9.2 to 13.9 m²) per 4.5-gallon (17.0 L) batch. The minimum dry thickness of the slurry coat must be 0.063 inch (1.60 mm).
- Texture coat applied over the slurry coat which consists of one bag of TC-3 Medium Texture Cement, 1 gallon (3.78L) of WP-81 Cement Modifier and 1 quart (1.89 L) of water, mixed until uniform consistency is achieved. The texture coat must be applied with a hopper gun onto the slurry coat at a rate of 150 to 200 square feet (13.9 to 18.6 m²) per batch, to result in a minimum dry thickness of 0.047 inch (1.2 mm).
- SC-10 Acrylic TopCoat applied over the cured texture coat with a roller in two applications, for a total coverage rate of 125 square feet per gallon (3.04 m²/L), to a minimum thickness of 6 mils (0.152 mm).

Findings: The assembly described in the Assembly Section meets the requirements of a Class I vapor retarder (0.1 perm or less) when tested from the underside (plywood substrate), as defined using the desiccant method of ASTM E96, as referenced in the applicable sections of the following code editions:

- 2015 *International Building Code*®
Applicable Section: 202
- 2015 *International Residential Code*®
Applicable Section: R202

Identification:

1. Packaging of the ALX Standard and Custom cementitious coating systems: The WP-81 Cement Modifier, TC-1 Basecoat Cement, TC-2 Smooth Texture Cement, TC-3 Medium Texture Cement, TC-5 Grout Texture Cement, SC-10 Acrylic Topcoat, SC-35X Water-Based Stain, TC-40 Liquid Colorant and SC-70 Stone Glaze products must be labeled with the WestCoat name and address, the date of manufacture, the shelf life, and the lot number or production number. In addition to the above, the products are labeled with the ESL report number (ESL-1098) and/or the ICC-ES evaluation report number ([ESR-2201](#)), and when applicable, the ICC-ES listing mark.
2. The report holder's contact information is the following:
WESTCOAT
4007 LOCKRIDGE STREET
SAN DIEGO, CALIFORNIA 92102
(800) 250-4519
www.westcoat.com

Installation: The assembly must be installed in accordance with the Westcoat's published installation instructions and applicable codes.

Conditions of listing:

1. Additional attributes and their applications can be found in the ICC-ES Evaluation Report, ESR-2201.
2. The listing report addresses only conformance with the standard and code sections noted above.
3. Approval of the product's use is the sole responsibility of the local code official.
4. The listing report applies only to the materials tested and as submitted for review by ICC-ES.