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ESR-1490

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

SECTION: 07 14 00—FLUID-APPLIED WATERPROOFING

REPORT HOLDER:

SEABOARD ASPHALT PRODUCTS COMPANY

**3601 FAIRFIELD ROAD
BALTIMORE, MARYLAND 21226**

EVALUATION SUBJECT:

EF-400 SEABOARD MODIFIED EMULSION FOUNDATION COATING



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**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 14 00—Fluid-Applied Waterproofing****REPORT HOLDER:****SEABOARD ASPHALT PRODUCTS COMPANY**

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www.seaboardasphalt.comsales@seaboardasphalt.com**EVALUATION SUBJECT:****EF-400 SEABOARD MODIFIED EMULSION FOUNDATION
COATING****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2012, 2009 and 2006 *International Residential Code*® (IRC)

Property evaluated:

Foundation waterproofing

2.0 USES

EF-400 Seaboard Modified Emulsion Foundation Coating is a spray- or fluid-applied waterproofing membrane applied to the exterior of foundation walls of concrete masonry units or cast-in-place concrete construction.

3.0 DESCRIPTION

EF-400 Seaboard Modified Emulsion Foundation Coating is a latex-modified asphalt coating. The membrane has a resistance to hydrostatic pressure of 7.0 psi (48 kPa) when tested over a $1/16$ -inch-wide (1.6 mm) crack in accordance with ASTM C1306. The coating is supplied in 1-gallon (3.8 L) cans, 5-gallon (18.9 L) pails, 55-gallon (208 L) drums, and 275-gallon (1041 L) totes and bulk containers, and has a six-month shelf life. Manufacturer's recommended storage temperature ranges between 70°F and 140°F (21°C and 60°C).

4.0 INSTALLATION

EF-400 Seaboard Modified Emulsion Foundation Coating must comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite at all times during installation.

EF-400 Seaboard Modified Emulsion Foundation Coating is brush-, roller- or spray-applied in two coats to the exterior vertical surfaces of below-grade foundation walls of either cast-in-place concrete or concrete masonry unit construction.

The air temperature for application must be a minimum of 40°F (4.4°C) (there is no maximum temperature limit). The coating shall be applied in two equal coats to a minimum total wet film thickness of 95 mils (0.095 inch) (2.41mm), which cures to a minimum total dry film thickness of 40 mils (0.040 inch) (1.02 mm). The coating shall be allowed to cure for a period of 4 to 24 hours, depending on ambient temperature, before any backfill is placed against the wall.

The surface to which the coating is applied must be structurally sound, clean, and dry, and free of dust, mud, loose mortar, sand, soil, frost or other loose materials. Additionally, there must be no fins, metal projections or any substance that will prevent bonding of the coating membranes to the surface. Voids in concrete, tie holes and honeycombed areas in the foundation wall must be filled with nonshrinking grout or an asphalt-based mastic. Where nonshrinking grout is used for filling voids, the grout must be allowed to cure before the membrane is applied. Concrete and parged masonry surfaces must be cured and dry prior to application of the liquid waterproofing membrane.

Protection boards shall be provided to protect the waterproofing when backfill contains angular stone or other sharp objects.

5.0 CONDITIONS OF USE

The EF-400 Seaboard Modified Emulsion Foundation Coatings described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** Installation shall comply with this report, the manufacturer's published installation instructions and the applicable code. If there is a conflict between the installation instructions and this report, this report shall govern.
- 5.2** The coatings are limited to applications on the exterior vertical surfaces of below-grade foundation walls.
- 5.3** Joints and penetrations of the walls to which the coatings are to be applied must be made watertight in accordance with the requirements of the applicable code.

5.4 This report is limited to an evaluation of the coatings applied to the minimum thickness stated in Section 4.0 of this report.

5.5 Application of the coatings on uncured (“green”) concrete is outside the scope of this report.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Cold, Liquid-applied, Below-grade, Exterior Dampproofing and Waterproofing Materials (AC29), dated

June 2011 (editorially revised January 2014).

7.0 IDENTIFICATION

Containers of EF-400 Seaboard Modified Emulsion Foundation Coating as described in this report shall be identified by a label bearing the manufacturer’s name (Seaboard Asphalt Products Company) and address, the product name, and the evaluation report number (ESR-1490).