DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 14 00—FLUID-APPLIED WATERPROOFING

REPORT HOLDER:

EPRO SERVICES, INC.

EVALUATION SUBJECT:

ECOBASE LIQUID-APPLIED WATERPROOFING MEMBRANE

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”
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1.0 EVALUATION SCOPE
1.1 Compliance with the following codes:

Property evaluated:
Foundation waterproofing

1.2 Evaluation to the following green standards:

Property evaluated:
See Section 3.0

2.0 USES
ECOBASE Liquid-applied Waterproofing Membrane is a fluid-applied waterproofing membrane applied to the exterior of foundation walls of parged and unparged concrete masonry units or cast-in-place concrete construction.

3.0 DESCRIPTION
ECOBASE Liquid-applied Waterproofing Membrane is a one-coat, polymer-modified asphalt membrane consisting of a water-based asphalt emulsion and a synthetic rubber emulsion. The membrane has a resistance to hydrostatic pressure of 4 psi (27.6 kPa) over a 1/16-inch-wide (1.6 mm) crack when applied in accordance with Section 4.0 and tested in accordance with ASTM C1306. It is supplied in bulk, 275 and 330-gallon (1040 and 1249 L) totes and 55-gallon (208 L) drums and has a shelf life of six months when stored in unopened containers. The manufacturer's recommended storage temperature range is between 45°F and 100°F (7.2°C and 38°C).

The attribute of the ECOBASE Liquid-applied Waterproofing Membrane has been verified as conforming to the provisions of ICC 700-2015 and ICC 700-2012 Section 602.1.2 and ICC 700-2008 Section 602.11 for foundation waterproofing. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance.

4.0 INSTALLATION
Installation of ECOBASE Liquid-applied Waterproofing Membrane 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.

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

The membrane is spray-applied in one coat to a nominal wet film thickness of 65 mils, which cures to a nominal dry film thickness of 62 mils after 24 hours, to the exterior vertical surfaces of below-grade foundation walls of parged or unparged concrete masonry units or cast-in-place concrete construction. The air temperature during application of ECOBASE must be in the range of 20°F to 120°F (-6.6°C to 49°C).

The membrane is required to cure for a period of 24 to 48 hours before any backfill is placed against the wall. Protection boards must be placed against the wall to protect the membrane when backfill contains angular stones or other sharp objects.

5.0 CONDITIONS OF USE
The ECOBASE Liquid-applied Waterproofing Membrane described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
5.2 The membrane is limited to applications on the exterior vertical surfaces of below-grade foundation walls.

5.3 Joints and penetrations of the walls to which the membrane is 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 membrane applied to the minimum thickness stated in Section 4.0.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Cold, Liquid-applied, Below-grade, Exterior Damproofing and Waterproofing Materials (AC29), dated June 2011 (editorially revised October 2014).

7.0 IDENTIFICATION

7.1 The containers of the ECOBASE Liquid-applied Waterproofing Membrane as described in this report must be identified by a label bearing the manufacturer’s name (Epro Services, Inc.) and address; the product name; and the evaluation report number (ESR-2463).

7.2 The report holder’s contact information is the following:

EPRO SERVICES, INC.
POST OFFICE BOX 347
DERBY, KANSAS 67037
316-262-2513
www.eproserv.com
eproserv@aol.com