

ICC-ES Evaluation Report

ESR-2463

Reissued October 1, 2010

This report is subject to re-examination in two years.www.icc-es.org | (800) 423-6587 | (562) 699-0543*A Subsidiary of the International Code Council®***DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 14 00—Fluid-Applied Waterproofing****REPORT HOLDER:****EPRO SERVICES, INC.
POST OFFICE BOX 347
DERBY, KANSAS 67037
(800) 882-1896**www.eproserv.com
eproserv@aol.com**EVALUATION SUBJECT:****ECOBASE LIQUID-APPLIED WATERPROOFING
MEMBRANE****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)

Property evaluated:

Foundation waterproofing

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 0.5 psig (3.4 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 C 1306. 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).

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 58 mils [0.058 inch (1.47 mm)], which cures to a nominal dry film thickness of 55 mils [0.055 inch (1.40 mm)] 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 February 2004 (editorially revised January 2008).

7.0 IDENTIFICATION

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).