

ICC-ES Evaluation Report

ESR-3106

Reissued August 1, 2012

This report is subject to renewal September 1, 2013.www.icc-es.org | (800) 423-6587 | (562) 699-0543

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

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EVALUATION SUBJECT:**SUPERPRO FOUNDATION WATERPROOF COATING****1.0 EVALUATION SCOPE****Compliance with the following codes:**

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

Properties evaluated

Physical properties

2.0 USES

Superpro Foundation Waterproof Coating is a liquid-applied waterproofing membrane applied to the exterior of foundation walls of parged or unparged concrete masonry units and cast-in-place concrete.

3.0 DESCRIPTION

Superpro Foundation Waterproof Coating is a spray-applied, water-based, polymer-modified bituminous membrane. The membrane, installed in accordance with this report over a 1/8-inch-wide (3.2 mm) crack in the substrate, has a resistance to hydrostatic pressure of 5 psi (34.5 kPa) when tested in accordance with ASTM C 1306. The product is supplied in 5-gallon (19L) pails, 55-gallon drums (208L) and bulk 275-gallon (1040L) totes with a shelf life of 12 months when stored unopened. The membrane components must be stored at temperatures between 40°F (4.5°C) and 86°F (30°C).

4.0 INSTALLATION**4.1 General:**

Installation must comply with this report, the applicable code and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite at all times

during construction. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.

4.2 Surface Preparation:

The surfaces to which the membrane is applied must be structurally sound, clean, dry, and free of dust, mud, 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 non-shrinking grout or asphalt-based mastic. When non-shrinking 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 allowed to cure and dry prior to application of the membrane. Window wells, brick ledges, indents and protrusions on the surface of the wall must be flashed and caulked in accordance with the applicable code and Superseal Construction Products installation instructions.

4.3 Application:

The ambient air temperature at the time of application must be between 40°F (5°C) and 95°F (35°C). The membrane consists of a liquid emulsion and an accelerant, spray-applied concurrently in a ratio of 12:1 by volume. Superpro Foundation Waterproof Coating is spray-applied in one coat to the substrate, to a wet film thickness of 90 mils (2.3 mm), to achieve a minimum dry film thickness of 60 mils (1.5 mm). The membrane must be allowed to cure for a minimum of 24 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 stone or other sharp objects.

5.0 CONDITIONS OF USE

The Superpro Foundation Waterproof Coating 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** Application is limited to installations on exterior vertical surfaces of below-grade parged or unparged concrete masonry and cast-in-place concrete foundation walls.
- 5.2** Joints and penetrations of the walls to which the membrane is applied must be made watertight in accordance with the applicable code.
- 5.3** The coating must be applied to the minimum thickness stated in Section 4.3.

5.4 Application of the membrane 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 February 2004 (editorially revised March 2011).

7.0 IDENTIFICATION

Each container of the Superpro Foundation Waterproof Coating described in this report must be identified by a label bearing the manufacturer's name (Superseal Construction Products Ltd.), the product name, and the evaluation report number (ESR-3106).