

ICC-ES Evaluation Report

ESR-1080

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DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07140—Fluid-Applied Waterproofing**REPORT HOLDER:****PROTECTIVE COATINGS TECHNOLOGY, INC.**
5385 FREITAG DRIVE, SUITE 1
MENOMONIE, WISCONSIN 54751
(800) 846-3020
www.poly-wall.com**EVALUATION SUBJECT:****POLY-WALL STRETCH S-200 AND COMMERCIAL
STRETCH S-200 FLUID-APPLIED WATERPROOFING
MEMBRANE****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- BOCA® *National Building Code* 1999 (BNBC)

Property evaluated:

Foundation waterproofing

2.0 USES

Poly-Wall Stretch S-200 is a fluid-applied waterproofing membrane applied to the exterior of foundation walls of unparted concrete masonry units or cast-in-place concrete construction. The product is also known as Stretch, Residential Stretch, Commercial Stretch S-200, Stretch Commercial and Commercial Stretch.

3.0 DESCRIPTION

Poly-Wall Stretch S-200 is a one-coat elastomeric membrane. The membrane has a resistance to hydrostatic pressure of 11 psig (75 kPa) over a $\frac{1}{16}$ -inch-wide (1.6 mm) crack when applied in accordance with Section 4.0 and tested in accordance with ASTM C 1306. The membrane is supplied in 330-gallon (1249 L) totes, 55-gallon (208 L) drums and 5-gallon (19 L) pails with a shelf life of 24 months when stored unopened. The manufacturer's recommended storage temperature range is between -20°F and 120°F (-29°C and 49°C).

4.0 DESIGN AND INSTALLATION

Installation of Poly-Wall Stretch S-200 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.

Poly-Wall Stretch S-200 is brush-, roller- or spray-applied in one coat to a wet film thickness of 40 mils [0.040 inch (1.02 mm)], which cures to a dry film thickness of 20 mils [0.020 inch (0.51 mm)], to the exterior vertical surfaces of below-grade foundation walls of unparted concrete masonry units or cast-in-place concrete construction.

The surface to which the coating 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 and tie holes are to be filled with Poly-Wall Hole Filler or nonshrinking grout. Honeycombed areas in the foundation wall must be filled with nonshrinking grout. Where nonshrinking grout is used to fill voids, the grout must be allowed to cure before the membrane is applied. Concrete and masonry surfaces must be cured and dry prior to application of the membranes.

The air temperature during application must be in the range of -10°F to 100°F (-23°C to 37°C).

The membrane must cure for a period of 12 to 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 Poly-Wall Stretch S-200 fluid-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** Use of the coating 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 coating is applied must be made watertight in accordance with the requirements of the applicable code.
- 5.4** The coating must be applied to the minimum thickness stated in Section 4.0.
- 5.5** Application of the coating 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 January 2008).

7.0 IDENTIFICATION

Containers of the waterproofing membrane as described in this report must be identified by a label bearing the manufacturer's name (Protective Coatings Technology, Inc.) and address, the product name and the evaluation report number (ESR-1080).