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## Legacy report on the BOCA® *National Building Code/1999*

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**DIVISION: 07—THERMAL AND MOISTURE PROTECTION**  
**Section: 07110—Dampproofing**

**REPORT HOLDER:**

**PROTECTIVE COATINGS TECHNOLOGY, INC.**  
**408 RED CEDAR STREET #6**  
**MENOMONIE, WISCONSIN 54751**  
[www.poly-wall.com](http://www.poly-wall.com)

**EVALUATION SUBJECT:**

**POLY-WALL**

**EVALUATION SCOPE:**

Compliance with the following code:

- BOCA National Building Code/1999
- # Section 106.4 Alternative materials and equipment
- # Section 1813.3.2.2 Wall dampproofing material

**DESCRIPTION**

Poly-Wall is a mineral fortified, liquid thermoplastic polymer dampproofing material that is spray or brush applied, to a minimum nominal wet thickness of 40 mils (0.04-inch) (1.02 mm), to concrete or masonry surfaces prepared as described in this report.

**CONDITIONS OF USE**

This report is limited to the applications and products as stated in this report. The ICC-ES Subcommittee on National Codes intends that the report be used by the code official to determine that the report subject complies with the code requirements specifically addressed, provided that this product is installed in accordance with the following conditions:

- # Poly-Wall shall be installed in accordance with the manufacturer's installation instructions, and this report. When the manufacturer's installation instructions differs from this report, this report shall be null and void.
- # Poly-Wall is limited to applications on the exterior of sub-surface foundation walls of concrete and non-parged masonry. The design and construction of the walls to which the dampproofing is applied shall be in accordance with the application requirements of the BOCA® *National Building Code/1999*.
- # Prior to Poly-Wall application, the surface to be dampproofed shall be prepared in accordance with Section 1813.3.2.1 of the BOCA® *National Building Code/1999*. Unit masonry walls do not require parging. For concrete unit masonry walls to be

dampproofed, all mortar joints shall be free of voids and cracks and extruding mortar.

- # Applications of Poly-Wall shall be allowed to dry prior to backfilling operations. Cure times for Poly-Wall vary from 4 to 24 hours and increase as the air temperature decreases. The cure times and the requirements for protection of Poly-Wall during backfill operations shall be in accordance with the manufacturer's installation instructions.
- # The ambient temperature at time of application shall be between -10 degrees F to 110 degrees F (-23 degrees C to 44 degrees C). Poly-Wall shall not be applied to wet substrates or substrates covered with frost, ice or snow.
- # Poly-Wall shall be applied to the minimum wet film thickness of 40 mils (0.04-inch) (1.02 mm).
- # The effect of ultraviolet radiation (sunlight) on Poly-Wall is outside the scope of this report.
- # The use of Poly-Wall as a wall waterproofing is outside the scope of this report.
- # This report is subject to periodic re-examination. For information on the current status of this report, contact the ICC-ES.

**APPLICATION FOR PERMIT**

To aid in the determination of compliance with this report, the following represents the minimum level of information to accompany the application for permit:

- # The language "See ICC-ES Legacy Report No. 96-42," or a copy of this report;
- # The designation of the subsurface material on which Poly-Wall is being applied;
- # Minimum wet application thickness of Poly-Wall consistent with this report;
- # The results of the ground water table investigation in accordance with Section 1813.2 of the BOCA® *National Building Code/1999*;
- # Details of joints and penetrations in accordance with Section 1813.4.3 of the BOCA® *National Building Code/1999*;
- # Details and notes indicating backfill placement, site grading, and erosion protection in accordance with Sections 1813.6, 1813.7 and 1813.8 of the BOCA® *National Building Code/1999*; and
- # Details and notes indicating foundation drains and foundation drainage system in accordance with Sections 1813.5.2 and 1813.5.3 of the BOCA® *National Building Code/1999*.

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*ICC-ES legacy reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, Inc., express or implied, as to any finding or other matter in this report, or as to any product covered by the report.*

**ITEMS REQUIRING VERIFICATION**

The following items are related to the use of the report subject, but are not within the scope of this evaluation. However, these items are related to the determination of code compliance:

- ✓ Watertight joints and penetrations within the wall to be dampproofed in accordance with Section 1813.4.3 of the BOCA® *National Building Code/1999*.
- ✓ Placement of backfill, site grading and erosion protection, with respect to the foundation wall dampproofing in accordance with Sections 1813.6, 1813.7 and 1813.8 of the BOCA® *National Building Code/1999*.
- ✓ Foundation drains in accordance with Section 1813.5.2 of the BOCA® *National Building Code/1999*. Water which drains into this drainage system shall be collected and disposed of in an approved manner in accordance with the 1997 *International Plumbing Code*® with the 1999 Accumulative Supplement.

**INFORMATION SUBMITTED**

- # SGS U.S. Testing Company Inc., Report Number 720546, dated September, 24, 1997, signed by Larry Burmer, Senior Project Engineer and David Pereg, Manager, Engineering Department, was submitted and contained results of physical testing of Poly-Wall, performed in accordance with ASTM C672, D2939, and E96. The testing included resistance to freeze/thaw when applied to concrete masonry, resistance to water, resistance to freezing, and water vapor transmission.

**PRODUCT IDENTIFICATION**

- # Containers of Poly-Wall manufactured in accordance with this report shall be marked at the plant with the identifying language, "See ICC-ES Legacy Report No. 96-42."