

# BOCA International Evaluation Report



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## 21•30

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### DIVISION 07 – THERMAL AND MOISTURE PROTECTION

#### Section 07100 – Waterproofing

#### MANUFACTURER:

**EPRO Services**  
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#### EVALUATION SUBJECT:

**ECOBASE and ECOBASE II**

### **NOTICE TO REPORT USERS**

This report is subject to annual certification. Reports that are not certified shall not be used or referred to. To determine the status of certification of this report, contact BOCA International, Inc., or consult the *BOCA Product Evaluation Listing* at [www.bocai.org](http://www.bocai.org), or call the Fax-On-Demand Service at 30CA, extension 500.

This report is subject to the conditions listed herein and to the specific product, data and test reports submitted by the applicant requesting this report. Independent tests were not performed by BOCA International, Inc. and BOCA International specifically does not make any warranty, either expressed or implied, as to any findings or other matters in this report or as to any product covered by this report. Evaluation reports are not to be construed as representing aesthetics or any other attributes not specifically addressed nor as an endorsement or recommendation for the use of the report subject. This disclaimer includes, but is not limited to, merchantability.

**Please contact BOCA Evaluation Services, with any questions you may have regarding this report. Additionally, please contact us if you have any information on the performance of the product described herein which is contrary to this report.**

**BOCA International, Inc.**

**Product Evaluation Listing**

**evaluation scope**

**description**

**conditions of use**

**items requiring verification**

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**product identification**

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**evaluation scope**

**Compliance with the following code:**

*BOCA National Building Code/1999*

- Section 1813.4.2.2 Wall waterproofing materials

**description**

ECOBASE and ECOBASE II are fluid-applied, one-coat, polymer modified asphalt waterproofing membranes. The waterproofing is intended for spray application to below-grade foundation walls of concrete or parged concrete masonry unit construction.

**conditions of use**

This report is limited to the applications and products as stated herein. BOCA International, Inc. 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:

- ECOBASE and ECOBASE II waterproofing membranes shall be limited to applications on the exterior surfaces of below-grade foundation walls of parged masonry or concrete construction. The design and construction of walls to be waterproofed shall be in accordance with applicable requirements of the *BOCA National Building Code/1999*.
- Surfaces of the foundation walls and footings to be waterproofed shall be clean, dry and free of mortar, sand, soil and water. Joints and penetrations of the walls to which ECOBASE and ECOBASE II waterproofing is to be applied shall be made watertight in accordance with Section 1813.4.3 of the *BOCA National Building Code/1999*.
- Voids in mortar, joints, tie holes and honeycombed areas in the foundation wall or footings shall be filled with ECOLINE-T or non-shrinking grout. Where non-shrinking grout is used for filling voids, the grout shall be allowed to cure before proceeding with the membrane application.
- The liquid membrane shall be spray applied. The ambient air temperature at the time of application shall be 40 degrees F (4 degrees C) or greater. Application temperature of the liquid material shall be in accordance with the manufacturer's written installation instructions.
- The membrane shall be allowed to cure for a minimum of 24 hours after application prior to backfilling.
- This report is limited to an evaluation of ECOBASE and ECOBASE II Waterproofing Membrane applied at a minimum wet thickness of 0.042 in. [(1.05 mm) (42 mils)], which cures to a minimum dry film thickness of 0.04 in. [(1 mm) (40 mils)].
- The effect of UV exposure on ECOBASE and ECOBASE II is outside the scope of this report.

**items requiring verification**

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

- ✓ Subsoil drainage shall be provided in accordance with Section 1813.5 of the *BOCA National Building Code/1999*.
- ✓ Walls shall be designed and constructed in accordance with Section 1813.4.2 of the *BOCA National Building Code/1999*.
- ✓ Placement of backfill, site grading and erosion control shall be in accordance with the requirements of Sections 1813.6, 1813.7 and 1813.8 of the *BOCA National Building Code/1999*.

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## **information submitted**

- SGS U.S. Testing Company Inc., Report Number 151030-02, dated May 18, 2001, containing results of physical testing of the ECOBASE II Waterproofing Membrane.
- SGS U.S. Testing Company Inc., Report Number 151030-01, dated May 18, 2001, containing results of physical testing of the ECOBASE Waterproofing Membrane.
- A letter from Larry J. Burmer, P.E. representing SGS U.S. Testing Company Inc., dated September 21, 2001, containing an engineering analysis on a 60-mil thick sample of ECOBASE and ECOBASE II abilities to resist hydrostatic pressure over nonstructural cracks.
- The manufacturer's installation instructions, titled *ECOBASE Waterproofing Membrane*.
- The manufacturer's installation instructions, titled *ECOBASE II Waterproofing Membrane*.

## **application for permit**

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

- The language "See BOCA International, Inc. Research Report No. 21-30" or a copy of this report.
- Type of foundation wall construction (cast concrete or parged masonry).
- Product manufacturer's name and product name.
- Method of application and number of coats to be applied.
- Minimum cured thickness of waterproofing membrane.

## **product identification**

All containers of Epro Services, ECOBASE and ECOBASE II Waterproofing Membranes, manufactured in accordance with this research report, shall bear the following identification:

- "See BOCA International, Inc. Research Report No. 21-30."