Product Approval 00-03
April 15, 2004

<table>
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<tr>
<th>Division 07:</th>
<th>Thermal and Moisture Protection</th>
<th>Section 07100:</th>
<th>Fluid Applied Waterproofing</th>
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<tr>
<td>Product:</td>
<td>Watchdog Waterproofing</td>
<td>Manufacturer:</td>
<td>Koch Waterproofing</td>
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<td>6402 E. Main St</td>
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<td>Reynoldsburg, OH 43068</td>
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<td>Report:</td>
<td>BOCA 22-13 (attached)</td>
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**Conditions**

1. Watchdog Waterproofing is approved in accordance with BOCA 22-13 Evaluation Report. If the BOCA Evaluation Report does not remain current, this approval expires.

2. A copy of this approval and the BOCA 22-13 Evaluation Report must be maintained with the approved construction drawings on-site for the inspectors review.

3. Watchdog Waterproofing is not a replacement or substitution for foundation drain tile.

4. Watchdog Waterproofing can only be applied when the ambient temperature is above 20 deg. F.

5. Backfilling shall not begin sooner than 24 hours after membrane application.

Eric M. Mays, P.E., C.B.O.
Building Official

Cc: Product Approval Folder
    Building Plan Review Branch
    Construction Inspections Branch

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BOCA International, Inc.
4051 West Florsheim Road • Country Club Hills, IL 60478-5795
Telephone (708) 799-2305 • Fax (708) 799-0310
e-mail: boca-se@boca-il.org • http://www.boca-il.org

EVALUATION REPORT

22·13

Issued November, 2002

DIVISION 07 – THERMAL AND MOISTURE PROTECTION
Section 07140 – Fluid-Applied Waterproofing

MANUFACTURER: Koch Waterproofing Solutions, Inc.
A Division of Koch Materials, Co.
6402 East Main Street
Reynoldsburg, OH 43068
(800) 876-5624
www.kochwaterproofing.com

EVALUATION SUBJECT: Watchdog Waterproofing

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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 with 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.
evaluation scope

Compliance with the following code:
BOCA National Building Code/1999
- Section 1813.4.2.2 Wall waterproofing materials.

description

Watchdog Waterproofing is a fluid-applied, one-coat, polymer modified asphalt waterproofing membrane. The waterproofing is intended for spray application to below-grade foundation walls and footings of concrete and unpared 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:
- Watchdog Waterproofing membrane shall be limited to applications on the exterior vertical surfaces of below-grade foundation walls of unpared or parged concrete masonry, concrete construction, and to vertical surfaces of supporting footings.
- Surfaces of the foundation walls and footings shall be waterproofed shall be clear, dry and free of mortar, sand, soil, water, frost or other loose materials. The surfaces shall be smooth and free of projections including form ties. Concrete, unpared or parged masonry surfaces shall be cured and dry prior to application of the liquid waterproofing membrane.
- Voids in concrete, tie holes and honeycombed areas in the foundation wall or footings shall be filled with non-shrinking grout or an asphalt-based mastic. Where non-shrinking grout is used for filling voids, adequate time shall be allowed for the grout 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 20 degrees F ( -6 degrees C) or greater. Application temperature of the liquid material shall be in accordance with the manufacturer's published installation instructions.
- Backfilling shall not begin sooner than 24 hours after membrane application.
- This report is limited to an evaluation of Watchdog Waterproofing membrane applied at a minimum wet thickness of 0.060 in. (1.52 mm) (60 mils), which cures to a minimum dry film thickness of 0.009 in. (0.22 mm) (40 mils).
- Application of the Watchdog Waterproofing membrane on uncured ("green") concrete 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:
- Walls and footings shall be designed and constructed in accordance with Sections 1810.0 and 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 1813.9 of the BOCA National Building Code/1999.
- Detailing of joints and penetrations in the foundation wall is in accordance with Section 1813.4.3 of the BOCA National Building Code/1999.
Information submitted
- Dil Laboratories Report No. DL-11692R, dated December 17, 1957, containing results of physical testing of the Watchdog Waterproofing Exterior Waterproofing Membrane.
- Dil Laboratories, Report DL-13458, dated May 18, 2002, containing results of hydraulic pressure resistance testing of the membrane over nonstructural cracks.
- The manufacturer's published installation instructions, titled "Watchdog Waterproofing Detailed Application Instructions, rev. dated June 2002."

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. Report No. 22-13" or a copy of this report.
- Type of foundation wall construction (cast concrete, ungraded masonry or upgraded masonry).
- Product manufacturer's name and product name.
- Description of substrate(s).
- Method of application and number of coats to be applied.
- Minimum cured thickness of waterproofing membrane.

Product identification
All containers of Koch Waterproofing Solutions, Inc.'s Watchdog Waterproofing Membrane or the packaging, manufactured in accordance with this research report, shall bear the following identification: