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

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

REPORT HOLDER:

TREMCO BARRIER SOLUTIONS, INC.
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EVALUATION SUBJECT:

WATCHDOG WATERPROOFING AND
TUFF-N-DRI® WATERPROOFING

EVALUATION SCOPE

Compliance with the following code:

BOCA® *National Building Code/1999*

- Section 1813.4.2.2 Wall waterproofing materials

DESCRIPTION

Watchdog Waterproofing and Tuff-N-Dri® Waterproofing are fluid-applied, one-coat, polymer modified asphalt waterproofing membranes. The waterproofings are intended for spray application to below-grade foundation walls and footings of concrete and unparged or parged concrete masonry unit construction.

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:

- Watchdog Waterproofing and Tuff-N-Dri membranes shall be limited to applications on the exterior vertical surfaces of below-grade foundation walls of unparged or parged concrete masonry, concrete construction and to vertical surfaces of supporting footings.
- Surfaces of the foundation walls and footings to be waterproofed shall be clean, 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, unparged 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 and Tuff-N-Dri membranes applied at a minimum wet thickness of 0.060-inch (1.52 mm) (60 mils), which cures to a minimum dry film thickness of 0.040-inch (1.02 mm) (40 mils).
- Application of the Watchdog Waterproofing and Tuff-N-Dri membranes on uncured ("green") concrete 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.

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 1813.8 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

- Tremco Barrier Solutions, Inc. Tuff-N Dri® Waterproofing Membrane Detailed Application Insutructions, revised April 2000.

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.

- DL Laboratories, Report No. DL-8980-R, dated July 13, 1992, containing results of physical testing of the Tuff-N-Dri Membrane.
- DL Laboratories Report No. D2-8980, dated January 14, 1993, containing results of physical testing of the Tuff-N-Dri Membrane.
- D/L Laboratories Report No. DL-11692B, dated December 17, 1997, containing results of physical testing of the Watchdog Waterproofing Exterior Waterproofing Membrane.
- D/L Laboratories, Report DL-11491A-R, dated August 22, 1997, containing results of physical testing of the Watchdog Waterproofing Exterior Waterproofing Membrane.
- D/L Laboratories, Report DL-13456, dated May 16, 2002, containing results of hydrostatic 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.
- The language "See ICC-ES Legacy Report No. 22-13" or a copy of this report.
- Type of foundation wall construction (cast concrete, unparged masonry or parged 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 Tremco Barrier Solutions, Inc.'s Watchdog Waterproofing and Tuff-N-Dri® Waterproofing Membranes or the packaging, manufactured in accordance with this report, shall bear the following identification:

- "See ICC-ES Legacy Report No. 22-13."

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: