

ICC-ES Legacy Report

94-66

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Reissued 08/2014

This report is subject to renewal 08/2015.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

SECTION: 07 14 00—FLUID-APPLIED WATERPROOFING

REPORT HOLDER:

MICHIGAN PAVING AND MATERIALS COMPANY

1950 WILLIAMS STREET
ALMA, MICHIGAN 48801

EVALUATION SUBJECT:

HOUSE GUARD TRU-DRY



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 Legacy report on the BOCA® *National Building Code/1999*
**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION**
Section: 07 14 00—Fluid-Applied Waterproofing
REPORT HOLDER:
**MICHIGAN PAVING AND MATERIALS COMPANY
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(989) 402-5932**
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EVALUATION SUBJECT:
HOUSE GUARD TRU-DRY
ADDITIONAL LISTEE:
**HOUSEGUARD
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www.houseguard.com**

1.0 EVALUATION SCOPE

Compliance with the following code:

 BOCA® *National Building Code/1999*

- Section 1813.4.2.2 Wall waterproofing material
- Section 1813.3.2.1 Surface preparation of walls

2.0 DESCRIPTION OF EVALUATION

House Guard Tru-Dry has been evaluated as an exterior wall waterproofing material for concrete or masonry subsurface foundation walls.

3.0 DESCRIPTION AND USE OF PRODUCT

3.1 GENERAL DESCRIPTION

House Guard Tru-Dry is a polymer-modified, asphalt-based emulsion that is spray or brush applied to concrete or non parged unit masonry surfaces that are prepared as described in Section 3.0 of this report.

Tru-Dry is also sold under the names PLM-100 and PLM-200.

4.0 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:

- 4.1 The application of House Guard Tru-Dry is limited to sub-surface walls of concrete or concrete masonry.
- 4.2 When applying House Guard Tru-Dry, ambient and surface temperatures shall be limited to a minimum of 0 degree F. (-18 degrees C.) to a maximum of 100 degrees F. (38 degrees C.) for a minimum of 24 hours.
- 4.3 House Guard Tru-Dry shall be limited to installation where in service temperatures will be a maximum of 160 degrees F (71 degrees C.).
- 4.4 The design and construction of the walls required to be waterproofed are not part of this evaluation.
- 4.5 Prior to the application of House Guard Tru-Dry, the surface to be waterproofed shall be prepared in accordance with Section 1813.3.2.1 of the BOCA® *National Building Code/1999*.
- 4.6 Joints and penetrations within the wall to be waterproofed shall be made water tight in accordance with Section 1813.4.3 of the BOCA® *National Building Code/1999*.
- 4.7 The placement of backfill, site grading and erosion protection, with respect to the foundation wall waterproofing, shall be in accordance with Sections 1813.6, 1813.7 and 1813.8 of the BOCA® *National Building Code/1999*.
- 4.8 The installation of House Guard Tru-Dry, with respect to the elevation of the ground water table, shall be in accordance with Section 1813.4.2.2 of the BOCA® *National Building Code/1999*.
- 4.9 Contractors installing House Guard Tru-Dry shall be certified by Michigan Paving and Materials Company, dba HouseGuard.
- 4.10 The application of House Guard Tru-Dry shall result in a cured film with a minimum thickness of 60 mils (1.5 mm).
- 4.11 House Guard Tru-Dry shall be installed in accordance with the manufacturer's installation instructions and this report. Application's utilizing installation instructions in conflict with this report are outside the scope of this report.

*Revised July 2015

- 4.12 The installation of House Guard Tru-Dry on surfaces exposed to ultraviolet radiation is beyond the scope of this report and shall be substantiated utilizing approved methods.
- 4.13 This report is subject to periodic re-examination. For information on the current status of this report, contact the ICC-ES.

5.0 INFORMATION SUBMITTED

- 5.1 Project #TMI-04-03-01, *Laboratory Analysis and Product Evaluation*, dated February 25, 1994, prepared by PRI Asphalt Technologies, was submitted indicating that House Guard Tru-Dry showed no evidence of re-emulsification when applied to an unglazed ceramic tile base and tested in accordance with ASTM D466, *Resistance to Water Action*. Also, when applied to smooth mortar block surfaces, House Guard Tru-Dry is capable of bridging nonstructural cracks while subjected to a hydrostatic pressure of 7.5 psig (51 kPa).
- 5.2 Project #TMI-11-02-01, *Laboratory Analysis and Product Evaluation*, dated October 19, 1994, prepared by PRI Asphalt Technologies, was submitted. The water-resistive characteristics of House Guard Tru-Dry were determined when it was applied directly to unit masonry, including resistance to water action and resistance to hydrostatic pressure while bridging nonstructural cracks. House Guard Tru-Dry showed no evidence of re-emulsification or deterioration after exposure to identical water action resistance testing as described in Section 4.1 of this report. Also, when exposed to identical hydrostatic pressure resistance

testing as described in Section 4.1, the House Guard Tru-Dry withstood a slightly greater hydrostatic pressure. These results indicate that the water-resistant properties of House Guard Tru-Dry are retained when the product is applied directly to unit masonry.

6.0 INFORMATION REQUIRED ON CONSTRUCTION DOCUMENTS

To aid in the use of this report, the following represents the minimum level of information to be reflected on construction documents in order to determine compliance with this report.

- 6.1 The language "See ICC-ES Legacy Report No. 94-66."
- 6.2 The designation of the subsurface material on which House Guard Tru-Dry is being applied.
- 6.3 The maximum elevation of the ground water table in relation to the structure being waterproofed.
- 6.4 The type of backfill material.
- 6.5 Details of joints and penetrations within the surface to be waterproofed.

7.0 PRODUCT IDENTIFICATION

All containers of House Guard Tru-Dry manufactured in accordance with this report shall be marked at the plant with the identifying language, "See ICC-ES Legacy Report No. 94-66."