ICC-ES Evaluation Report

ESR-3632

Reissued August 2025

Subject to renewal August 2026

DIVISION: 31 00 00—EARTHWORK Section: 31 31 16—Termite Control	REPORT HOLDER: POLYGUARD PRODUCTS, INC.	EVALUATION SUBJECT: TERM® BARRIER SYSTEM	

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024, 2021, 2018, 2015, 2012 and 2009 *International Building Code®* (IBC)
- 2024, 2021, 2018, 2015, 2012 and 2009 *International Residential Code®* (IRC)

Property evaluated:

- Protection against termites including Formosan.

2.0 USES

TRM® Barrier System is used to provide protection of wood construction and foam plastic against subterranean termites including Formosan.

3.0 DESCRIPTION

3.1 General:

The TRM® Barrier System consists of four different self-adhesive membranes installed in specific applications at the building foundations and exterior walls to provide protection against subterranean termites. The foundation entry points of the building include all construction and control joints in walls and slabs, walls below grade, retaining walls, and service pipe penetrations through slabs.

3.2 Products:

The Underslab TRM® is installed underneath the floor slab on grade. The 650 TRM® is installed on vertical foundation walls or mud slabs. The TRM® Sill is installed on the top of the slab on grade underneath the wood sill plates. The TRM® Flashing is installed at the base of the exterior wood wall sheathing and extending onto the concrete foundation or over exterior wall sheathing seams and around windows and doors.

The TRM® Barrier System products, Total Thickness, Sealant Thickness, Composition and Where Installed are noted in Table 1 of this report.

4.0 INSTALLATION

The TRM® Barrier System products must be installed in accordance with the manufacturer's published installation instructions and this report.

The TRM® Barrier System is applied to wood, concrete and foam plastic construction surfaces including seams and cracks.

Locations requiring protection from termites are described in Sections 2304.12.2.7 and 2603.8 of the 2024 and 2021 IBC (Sections 2304.12.4 and 2603.8 of the 2018 and 2015 IBC; Sections 2304.11.6 and 2603.9 of the 2012 IBC; Sections 2304.11.6 and 2603.8 of the 2009 IBC) or Section R305 of the 2024 IRC (Section R318 of the 2021, 2018, 2015, 2012, and 2009 IRC).

650 TRM® is used to protect foam plastic insulation, including stay-in-place insulating concrete forms (ICF) installed in applications noted in Section 2603.8 of the 2024, 2021, 2018, and 2015 IBC (Section 2603.9 of the 2012 IBC; Section 2603.8 of the 2009 IBC) and complies with Exception 2 of the referenced IBC code sections or Section R305.4 of the 2024 IRC (Section R318.4 of the 2021, 2018, 2015, 2012, and 2009 IRC). The manufacturer's published installation instructions and this report must be strictly adhered to, and a copy of the instructions must be available at all times on the job site during installation.

If there are any conflicts between the manufacturer's instructions and this report, this report governs.

5.0 CONDITIONS OF USE:

The TRM® Barrier System described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Following installation, the membranes must not be exposed to sunlight for more than 30 days.

5.2 The membranes must be installed when the air temperature is between 40° F (5° C) and 105° F (40° C).

5.3 A foundation drainage system shall be provided in accordance with the applicable code.

5.4 When required by the applicable code, protection of wood and wood-based products against decay must be provided in accordance with the applicable code.

5.5 The TRM® Barrier System products are manufactured under a quality-control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Termite Physical Barrier Systems (AC380), dated April 2021 (editorially Revised May 2025).

7.0 IDENTIFICATION

7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-3632) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.

7.2 In addition, each package of TRM® Barrier System products covered by this report must bear a label with the product name as noted in Table 1 of this report.

7.3 The report holder's contact information is the following:

POLYGUARD PRODUCTS, INC.
POST OFFICE BOX 755
ENNIS, TEXAS 75120-0755
(214) 515-5000
www.polyguard.com
archtech@polyguard.com

TABLE 1—TRM BARRIER SYSTEM PRODUCTS

PRODUCT	TOTAL THICKNESS (inch)	SEALANT THICKNESS (inch)	COMPOSITION	WHERE INSTALLED
Underslab TRM®	0.095	0.068	Nonwoven geotextile Sealant High strength film	Installed underneath the slab. Concrete is poured onto the barrier
650 TRM®	0.068	0.064	Sealant High strength film	Installed on vertical concrete foundation walls, insulating concrete forms (ICF) or mud slab
TRM® Sill	0.068	0.064	Sealant High strength film	Installed on top of slab underneath location of sill plate
TRM® Flashing	0.040	0.036	Sealant High strength film	Installed at base of exterior sheathing and extending onto concrete or over sheathing seams, around windows and doors

SI Units Conversion: 1 in. = 25.4 mm