ICC-ES Evaluation Report

ESR-5580

Issued February 2026

This report also contains:
- City of LA Supplement

Subject to renewal February 2027.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION Section: 07 11 00—Dampproofing Section: 07 13 00—Sheet Waterproofing	REPORT HOLDER: POLYGUARD PRODUCTS, INC.	EVALUATION SUBJECT: UNDERSEAL™ BLINDSIDE, UNDERSEAL™ UNDERSLAB AND POLYGUARD 650 BELOW-GRADE WATERPROOFING MEMBRANES	

1.0 EVALUATION SCOPE

Compliance with the following codes:

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

Properties evaluated:

- Foundation dampproofing
- Foundation waterproofing

2.0 USES

The Underseal™ Blindside, Underseal™ Underslab and Polyguard 650 are self-adhering dampproofing and waterproofing membranes used in below-grade vertical and horizontal applications of masonry or concrete construction. The membranes are alternatives to the dampproofing and waterproofing material specified in IBC Sections 1805.2 and 1805.3 and IRC Sections R406.1 and R406.2.

3.0 DESCRIPTION

3.1 Underseal™ Blindside:

The Underseal™ Blindside membrane is a 73-mil-thick [0.073 inch (1.85 mm)] sheet membrane consisting of a cross-laminated high-density polyethylene (HDPE) backing laminated to a proprietary waterproofing adhesive compound integrated into a nonwoven geotextile fabric. The membrane is supplied in rolls that are 48 inches (1.22 m) wide by 50 feet (15.2 m) long.

3.2 Underseal™ Underslab:

The Underseal™ Underslab membrane is a 80-mil-thick [0.080 inch (2.03 mm)] sheet membrane consisting of a cross-laminated HDPE backing laminated to a proprietary waterproofing adhesive compound integrated into a nonwoven geotextile fabric. The membrane is supplied in rolls that are 48 inches (1.22 m) wide by 50 feet (15.2 m) long.

3.3 Polyguard 650:

The Polyguard 650 membrane is a 60-mil-thick [0.060 inch (1.52 mm)] sheet membrane consisting of a cross-laminated high-density polyethylene (HDPE) backing bonded to rubberized asphalt roofing compound. The

membrane is supplied in rolls that are either 36 inches (914 mm) wide by 66.7 feet (20.3 m) long or 48 inches (1.22 m) wide by 50 feet (15.2 m) long.

The Underseal™ Blindside, Underseal™ Underslab and Polyguard 650 have an allowable resistance to hydrostatic pressure of 50 psi (345 kPa) when applied in accordance with Section 4.0 and tested in accordance with ASTM D5385.

4.0 INSTALLATION

Installation of the Underseal™ Blindside, Underseal™ Underslab and Polyguard 650 membranes described in this report must comply with the applicable code, the report holder's published installation instructions and this report. The report holder's published installation instructions must be available at all times on the jobsite during installation.

All surfaces which receive the membrane must be free of laitance, sharp projections, oil, dirt, or other contaminants. All seams and penetrations must be sealed in accordance with the report holder's published installation instructions. Side laps and end laps seams must be overlapped a minimum of 3 inches (76.2 mm) for the Underseal™ Blindside, minimum 4 inches (102 mm) for the Underseal™ Underslab, and minimum $2^1/_2$ inches (63.5 mm) for the Polyguard 650. The air and substrate temperature during application of the Underseal™ Blindside and Underseal™ Underslab must be 25°F (-3.89°C) or greater. The air and substrate temperature during application of the Polyguard 650 must be 40°F (4.44°C) or greater.

5.0 CONDITIONS OF USE:

The Underseal™ Blindside, Underseal™ Underslab and Polyguard 650 described in this report comply with, or are suitable alternatives to what is specified in,those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 When use is in dampproofing applications, a subsurface soil investigation of the level of groundwater at the construction site must be performed to verify the nonexistence of hydrostatic pressure.

5.2 The design and installation of the foundation drainage system is outside the scope of this report. The foundation drainage system must be installed in accordance with IBC Section 1805.4 or IRC Section R405, as applicable.

5.3 The backfill of the foundation must be clean soil free of rocks or any other deleterious material and placed so as not to damage the foundation or membrane system. For jurisdictions adopting the IBC, the backfill must be placed in lifts and compacted. For jurisdictions adopting the IRC, local backfilling requirements must be followed. The design and construction of the foundation is outside the scope of the report.

5.4 The membranes must not be used with pneumatically applied concrete (gunite or shotcrete).

5.5 The membranes are under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Self-Adhered, Thermoplastic, Below-grade, Dampproofing and Waterproofing Sheet Membranes (AC527), dated November 2023 (editorially revised March 2024).

7.0 IDENTIFICATION

7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5580) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.

7.2 In addition, the Underseal™ Blindside, Underseal™ Underslab and Polyguard 650 are identified with a label bearing the product name, product dimensions and lot number.

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

POLYGUARD PRODUCTS, INC.
3801 SOUTH I-45
ENNIS, TEXAS 75119
(214) 515-5000
www.polyguard.com

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 11 00—Dampproofing
Section: 07 13 00—Sheet Waterproofing

REPORT HOLDER:

POLYGUARD PRODUCTS, INC.

EVALUATION SUBJECT:

UNDERSEAL™ BLINDSIDE, UNDERSEAL™ UNDERSLAB AND POLYGUARD 650 BELOW-GRADE WATERPROOFING MEMBRANES

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Underseal™ Blindside, Underseal™ Underslab and Polyguard 650, described in ICC-ES evaluation report ESR-5580, have also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code editions:

- 2026* *City of Los Angeles Building Code* (LABC)
- 2026* *City of Los Angeles Residential Code* (LARC)

*For evaluation for compliance with the anticipated requirements of the 2026 LABC and LARC

2.0 CONCLUSIONS

The Underseal™ Blindside, Underseal™ Underslab and Polyguard 650, described in Sections 2.0 through 7.0 of the evaluation report ESR-5580, comply with the LABC Chapter 18 and LARC Chapter 4, and are subject to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Underseal™ Blindside, Underseal™ Underslab and Polyguard 650 described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report ESR-5580.
- The design, installation, conditions of use and identification of the Underseal™ Blindside, Underseal™ Underslab and Polyguard 650 are in accordance with the 2024 *International Building Code®* (IBC) and 2024 *International Residential Code®* (IRC) provisions, as applicable, noted in the evaluation report ESR-5580.
- The installation and inspection are in accordance with additional requirements of LABC Section 1704 and Chapter 18 or LARC Section R406, as applicable.
- The membranes must be adequately protected to prevent rupture, wearing of the surface and sunlight in accordance with the report holder's instructions.
- The membranes are not to be used as a finished traffic system or used on rough surfaces.
- Seams and repairs shall be completed in accordance with the report holder's installation instructions.

This supplement expires concurrently with the evaluation report, issued February 2026.