

ICC-ES Evaluation Report

ESR-5597

Issued May 2025


This report also contains:

- [City of LA Supplement](#)

Subject to renewal May 2026

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<p>DIVISION: 07 00 00– THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 11 00– Dampproofing</p> <p>Section: 07 13 00– Sheet Waterproofing</p> <p>DIVISION: 31 00 00– EARTHWORK</p> <p>Section: 31 21 16– Methane Mitigation</p>	<p>REPORT HOLDER: CERTAINTEED LLC</p>	<p>EVALUATION SUBJECT: PREPRUFE® 300R PLUS/LT</p>	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024 and 2021 [International Building Code® \(IBC\)](#)
- 2024 and 2021 [International Residential Code® \(IRC\)](#)

Property evaluated:

- Foundation dampproofing
- Foundation waterproofing
- Methane Mitigation

2.0 USES

PREPRUFE® 300R Plus/LT is a self-adhering dampproofing and waterproofing membrane 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 Section 1805.2 or 1805.3, respectively, and IRC Section R406.1 or R406.2, respectively. The membrane may also be used in gas/methane barrier applications.

3.0 DESCRIPTION

3.1 General:

The PREPRUFE® 300R Plus/LT membrane is a 46-mil-thick [0.046-inch (1.2 mm)] high-density polyethylene self-adhesive composite film with a pressure sensitive acrylic compound adhesive backing, weather resistant protective coating, and release liner free. The manufacturer's recommended storage temperature range is between 40°F (4.5°C) and 90°F (32°C). The membranes are supplied in rolls that are 3.83-ft-wide by 102-ft-long (1.17 m x 31.15 m).

PREPRUFE[®] 300R Plus/LT membranes have a maximum resistance to hydrostatic pressure of 294 psi (2067 kPa) and an allowable resistance to hydrostatic pressure of 147 psi (1033 kPa) when applied in accordance with Section 4.0 of this report and tested in accordance with ASTM D5385.

4.0 DESIGN AND INSTALLATION

4.1 Design: Installation of PREPRUFE[®] 300R Plus/LT membranes must comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite at all times during installation.

The membranes must be applied in below-grade vertical and horizontal applications of concrete construction. All surfaces which receive the membrane shall be free of laitance, sharp projections, oil, dirt or other contaminants. Side laps and end laps seams must be overlapped at a minimum of 3-inches (76 mm). The entire surface including all lap seams must be rolled. The air and surface temperature during application must be in the range of 25°F (-4°C) to 95°F (35°C).

4.2 Shotcrete Applications: PREPRUFE[®] 300R Plus/LT membranes are approved for shotcrete applications over HYDRODUCT[®] 220 drainage sheets.

4.3 Methane Barrier: PREPRUFE[®] 300R Plus/LT membranes are evaluated for gas/methane mitigation applications in accordance with the ICC-ES Acceptance Criteria for Soil-Gas-Retarder Membranes for Use in Below Grade Applications (AC563). The membranes must be installed in accordance with the manufacturer's published installation instructions for methane barriers.

5.0 CONDITIONS OF USE:

PREPRUFE[®] 300R Plus/LT membranes described in the 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 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 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 and IRC Section R405.
- 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 this report.
- 5.4 When used in shotcrete applications, the installation must comply with Section 4.2 of this report.
- 5.5 When used as a methane/gas barrier, the membranes must comply with Section 4.3 of this report.
- 5.6 These membranes are under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-Acceptance Criteria for Self-Adhered, Thermoplastic, Below-grade, Dampproofing and Waterproofing Sheet Membranes \(AC527\)](#), dated November 2023 (editorially revised March 2024).
- 6.2 Data in accordance with the [ICC-Acceptance Criteria for Soil-Gas-Retarder Membranes for Use in Below Grade Applications \(AC563\)](#), dated February 2024.

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5597) 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 PREPRUFE[®] 300R Plus/LT membranes must be identified bearing the distributor's address and the product name.
- 7.3 The report holder's contact information is the following:

CERTAINTEED LLC
20 MOORES RD
MALVERN, PA 19083
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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 11 00—Dampproofing

Section: 07 11 00—Waterproofing

DIVISION: 31 00 00—EARTHWORK

Section: 31 21 16—Methane Mitigation

REPORT HOLDER:

CERTAINTED LLC

EVALUATION SUBJECT:

PREPRUFE® 300R PLUS L/T

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that the PREPRUFE® 300R PLUS L/T membrane described in ICC-ES evaluation report [ESR-5597](#), has 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:

- 2023 *City of Los Angeles Building Code* ([LABC](#))
- 2023 *City of Los Angeles Residential Code* ([LARC](#))

2.0 CONCLUSIONS

The PREPRUFE® 300R PLUS L/T membrane described in Sections 2.0 through 7.0 of the evaluation report [ESR-5597](#), complies with the LABC Chapter 18, and the LARC Chapter 4, and is subject to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The PREPRUFE® 300R PLUS L/T membrane described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-5597](#).
- The design, installation, conditions of use and identification of the PREPRUFE® 300R PLUS L/T membrane are in accordance with the 2021 *International Building Code*® (IBC) and 2021 *International Residential Code*® (IRC) provisions, as applicable, noted in the evaluation report [ESR-5597](#).
- The installation and inspection are in accordance with additional requirements of LABC Section 1704 and Chapter 18, as applicable.
- The PREPRUFE® 300R PLUS L/T membrane must be adequately protected to prevent rupture, wearing of the surface and sunlight as per manufacturer's instructions.
- The PREPRUFE® 300R PLUS L/T membrane is not to be used as a finished traffic system or use on rough or wet surfaces.
- Seams and repairs shall be completed in accordance with manufacturer recommendations.
- Prior to placing the concrete slab over the membrane, the membrane installer shall certify the membrane to be installed and tested in accordance with the manufacturer's specifications and to be free of leaks.

This supplement expires concurrently with the evaluation report issued May 2025.