

ICC-ES Evaluation Report

ESR-5598

Issued May 2025


This report also contains:

- [City of LA Supplement](#)

Subject to renewal May 2026

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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: CERTAINTEED LLC	EVALUATION SUBJECT: PREPRUFE® 275/LT	
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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

2.0 USES

PREPRUFE® 275/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.

3.0 DESCRIPTION

3.1 General:

The PREPRUFE® 275/LT membrane is a 38-mil-thick [0.038-inch (0.98 mm)] high-density polyethylene self-adhesive composite film with a pressure sensitive adhesive and weather resistance protective coating. 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 120-ft-long (1.17 m x 36.6 m).

PREPRUFE® 275/LT membranes have a maximum resistance to hydrostatic pressure of 225 psi (1585 kPa) and an allowable resistance to hydrostatic pressure of 113 psi (792 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® 275/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 must be structurally sound and free of voids, laitance, sharp projections, oil, dirt or other contaminants. The release liner that protects the adhesive must be removed as the membrane is installed. 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[®] 275/LT membranes are approved for shotcrete applications over HYDRODUCT[®] 220 drainage sheets.

5.0 CONDITIONS OF USE:

PREPRUFE[®] 275/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 membranes must comply with Section 4.2 of this report.
- 5.5 These membranes are under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

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).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5598) 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[®] 275/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:

CERTAINTED LLC
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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

REPORT HOLDER:

CERTAINTEED LLC

EVALUATION SUBJECT:

PREPRUFE® 275/LT

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that the PREPRUFE® 275/LT membrane described in ICC-ES evaluation report [ESR-5598](#), 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® 275/LT membrane described in Sections 2.0 through 7.0 of the evaluation report [ESR-5598](#), 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® 275/LT membrane described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-5598](#).
- The design, installation, conditions of use and identification of the PREPRUFE® 275/LT 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-5598](#).
- The installation and inspection are in accordance with additional requirements of LABC Section 1704 and Chapter 18, as applicable.
- The PREPRUFE® 275/LT membrane must be adequately protected to prevent rupture, wearing of the surface and sunlight as per manufacturer's instructions.
- The PREPRUFE® 275/LT 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.
- The membrane will not be exposed to sun light when installed per manufacturer's installation instructions.

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