

# ICC-ES Evaluation Report

**ESR-5393**

Issued April 2024


This report also contains:

Subject to renewal April 2025

- LABC Supplement
- CBC Supplement
- FBC Supplement

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<p><b>DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION</b></p> <p><b>Section: 07 11 00— Dampproofing</b></p> <p><b>Section: 07 14 00— Fluid-Applied Waterproofing</b></p>	<p><b>REPORT HOLDER: AVM INDUSTRIES INC.</b></p>	<p><b>EVALUATION SUBJECT: AUSSIE MEMBRANE 520 PRO</b></p>	
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## 1.0 EVALUATION SCOPE

### 1.1 Compliance with the following codes:

- 2024, 2021, 2018 and 2015 [International Building Code® \(IBC\)](#)
- 2024, 2021, 2018 and 2015 [International Residential Code® \(IRC\)](#)

For evaluation for compliance with codes adopted by [Los Angeles Department of Building and Safety \(LADBS\)](#) see [ESR-5393 LABC and LARC Supplement](#).

### Property evaluated:

- Foundation dampproofing
- Foundation waterproofing

## 2.0 USES

Aussie Membrane 520 PRO is a fluid-applied waterproofing membrane applied to the exterior of foundation walls of parged or unparged concrete masonry units or cast-in-place concrete construction. The membrane is an alternative 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

Aussie Membrane 520 PRO is a single component, cold-applied polyurethane liquid membrane. The manufacturer’s recommended storage temperature range is between 50°F and 90°F (10°C and 32°C). Aussie Membrane is supplied in 5-gallon (18.9 L) pails with a shelf life of 12 months.

Aussie Membrane 520 PRO has a maximum resistance to hydrostatic pressure of 17.5 psi (120.66 kPa) and an allowable resistance to hydrostatic pressure of 8.75 psi (60.33 kPa) based on 50 percent of the maximum resistance, over a 1/8-inch-wide (3.2 mm) crack when applied in accordance with Section 4.0 and tested in accordance with ASTM C1306.

## 4.0 INSTALLATION

Installation of Aussie Membrane 520 PRO liquid-applied waterproofing membrane 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.

Aussie Membrane 520 PRO is brush-, roller- or spray-applied in two coats, to a minimum total dry film thickness of 60 mils [0.060 inch (1.52 mm)], to the exterior vertical surfaces of below-grade foundation walls of parged or unparged concrete masonry units or cast-in-place concrete construction.

The surface to which the coatings are applied must be structurally sound, clean, dry, and free of dust, mud, loose mortar, sand, soil, frost or loose materials. Additionally, there must be no fins, metal projections or any substances that will prevent bonding of the membrane to the surface. Voids in concrete or concrete masonry, tie holes and honeycombed areas in the foundation wall must be filled with nonshrinking grout or other approved material recommended by the manufacturer. Where nonshrinking grout is used for filling voids, the grout must be allowed to cure before the membrane is applied. Concrete and parged masonry surfaces must be cured and dry prior to application of the membranes.

The air temperature during application must be in the range of 40°F to 100°F (4.44°C to 37.8°C).

The membrane is required to cure for a period of 24 hours before any backfill is placed against the wall. Protection boards or other protection systems must be placed against the wall to protect the membrane when backfill contains angular stone or other sharp objects.

## 5.0 CONDITIONS OF USE:

The Aussie Membrane 520 PRO liquid-applied waterproofing membrane described in this report comply 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 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 Joints and penetrations of the walls to which the coatings are to be applied must be made watertight in accordance with the requirements of the applicable code.
- 5.3 This report is limited to an evaluation of the coatings applied to the minimum thickness stated in Section 4.0.
- 5.4 The coatings 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 Cold, Liquid-applied, Below-grade, Exterior Damproofing and Waterproofing Materials \(AC29\)](#), dated June 2011 (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-5393) along with the name, registered trademark, or registered logo of the report holder (AVM Industries, Inc.) must be included in the product label.
- 7.2 In addition, containers of the liquid-applied membrane as described in this report must be identified by a label bearing the distributor's address and the product name (Aussie Membrane 520 PRO).
- 7.3 The report holder's contact information is the following:

**AVM INDUSTRIES INC.**  
**8245 REMMET AVENUE**  
**CANOGA PARK, CALIFORNIA 91304**  
**(818) 888-0050**  
[www.avmindustries.com](http://www.avmindustries.com)  
[sales@avmindustries.com](mailto:sales@avmindustries.com)

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**

**Section: 07 11 00—Dampproofing**

**Section: 07 14 00—Fluid-applied Waterproofing**

**REPORT HOLDER:**

**AVM INDUSTRIES, INC.**

**EVALUATION SUBJECT:**

**AUSSIE MEMBRANE 520 PRO**

## 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that Aussie Membrane 520 PRO, described in ICC-ES evaluation report [ESR-5393](#), 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 Aussie Membrane 520 PRO, described in Sections 2.0 through 7.0 of the evaluation report [ESR-5393](#), 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 Aussie Membrane 520 PRO described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-5393](#).
- The installation, conditions of use and identification of the Aussie Membrane 520 PRO are in accordance with the 2021 *International Building Code*® (IBC) and *International Residential Code*® (IRC) provisions noted in the evaluation report [ESR-5393](#).
- The installation is in accordance with additional requirements of LABC Chapter 18 or LARC Chapter 4, as applicable.

This supplement expires concurrently with the evaluation report issued April 2024.

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**

**Section: 07 11 00—Dampproofing**

**Section: 07 14 00—Fluid-applied Waterproofing**

**REPORT HOLDER:**

**AVM INDUSTRIES, INC.**

**EVALUATION SUBJECT:**

**AUSSIE MEMBRANE 520 PRO**

## 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that the Aussie Membrane 520 PRO, described in ICC-ES evaluation report ESR-5393, has also been evaluated for compliance with the codes noted below.

**Applicable code edition(s):**

- 2022 California Building Code (CBC)

For evaluation of applicable Chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Residential Code (CRC)

## 2.0 CONCLUSIONS

### 2.1 CBC:

The Aussie Membrane 520 PRO, described in Sections 2.0 through 7.0 of the evaluation report ESR-5393, complies with CBC Chapter 18, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 18.

#### 2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

#### 2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

### 2.2 CRC:

The Aussie Membrane 520 PRO, described in Sections 2.0 through 7.0 of the evaluation report ESR-5393, complies with CRC Chapter 4, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Chapter 4.

This supplement expires concurrently with the evaluation report, issued April 2024.

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION****Section: 07 11 00—Dampproofing****Section: 07 14 00—Fluid-applied Waterproofing****REPORT HOLDER:****AVM INDUSTRIES, INC.****EVALUATION SUBJECT:****AUSSIE MEMBRANE 520 PRO****1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that the Aussie Membrane 520 PRO, described in ICC-ES evaluation report ESR-5393, has also been evaluated for compliance with the codes noted below.

**Applicable code editions:**

- 2023 *Florida Building Code—Building*
- 2023 *Florida Building Code—Residential*

**2.0 CONCLUSIONS**

The Aussie Membrane 520 PRO, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-5393, complies with the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-5393 for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable.

Use of the Aussie Membrane 520 PRO for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* or the *Florida Building Code—Residential* has not been evaluated, and is outside the scope of this supplemental report.

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report issued April 2024.