

# ICC-ES Evaluation Report

**ESR-5395**

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 13 00— Sheet Waterproofing</b></p> <p><b>DIVISION: 31 00 00— EARTHWORK</b></p> <p><b>Section: 31 21 16— Methane Mitigation</b></p>	<p><b>REPORT HOLDER: AVM INDUSTRIES INC.</b></p>	<p><b>EVALUATION SUBJECT: AUSSIE SKIN 550G/550S, 555G/555S, 558G/558S, 560G/560S, 565G/565S WATERPROOFING MEMBRANES</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-5395 LABC LARC Supplement](#)

### Property evaluated:

- Foundation dampproofing
- Foudation waterproofing
- Methane Mitigation

## 2.0 USES

Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S are self-adhering dampproofing and waterproofing membranes used in below-grade vertical and horizontal applications of concrete construction and shot-crete applications. 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 membranes may also be used in gas/methane barrier applications. See [Table 1](#) for membrane product and its application.

## 3.0 DESCRIPTION

### 3.1 General

Aussie Skin membranes are made from high-density polyethylene waterproofing sheets with a pressure sensitive adhesive and integral weather resistant protective layer. The membrane with the “G” designation

has a granular protective layer, while the membrane with the “S” designation has a smooth protective layer. See [Table 1](#) for membrane thicknesses. The membranes are supplied in rolls of different widths and lengths.

The Aussie Skin membranes have a maximum resistance to hydrostatic pressure of 192 psi (1324 kPa) and an allowable resistance to hydrostatic pressure of 96 psi (662 kPa) (50 percent of the maximum) when applied in accordance with Section 4.0 and tested in accordance with ASTM D751.

## 4.0 INSTALLATION

**4.1 General:** Installation of Aussie Skin 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 installed with the granular or adhesive layer facing the interior of the building. The substrate may be wood lagging, compacted grade, concrete, metal, drain board, rigid insulation, and plastic. The substrate must be clear of sharp rocks, large gaps, and have no flowing water. All seams must be sealed in accordance with manufacturer’s requirements, and all penetrations must be sealed in accordance with the manufacturer’s requirements. The recommended installation temperature is 40°F (4.4°C) to 100°F (37.8°C). If air and substrate temperatures are under 40°F (4.4°C), the manufacturer must be contacted for cold weather procedures.

**4.2 Shot-crete Applications:** Aussie Skin membranes are approved for shotcrete applications over plywood, EPS insulation board, AVM Drainboard 6000, and lagging.

**4.3 Methane Barrier:** Aussie Skin 558G/558S, 560G/560S and 565G/565S membranes comply with the requirements for gas/methane applications in accordance with AC563. The membranes must be installed in accordance with the manufacturer’s installation instructions for methane barriers.

## 5.0 CONDITIONS OF USE:

The Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S membranes 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 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 adopted 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 shot-crete 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 The membranes are under a quality control program with inspections by ICC-ES.

## 6.0 EVIDENCE SUBMITTED

- 6.1 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).
- 6.2 Data in accordance with the [ICC-ES Acceptance Criteria for Soil-Gas-Retarder Membranes for Use in Below Grade Applications \(AC563\)](#), dated February 2024 (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-5395) 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, the membranes as described in this report must be identified by a label bearing the distributor’s address and the product name (Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S or 565G/565S).

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)

**TABLE 1- AUSSIE SKIN PRODUCTS AND END USE APPLICATION**

<b>Product Name</b>	<b>Product Thickness, mils</b>	<b>Approved for Dampproofing and Waterproofing (See Sections 4.1 and 4.2)</b>	<b>Approved for Gas/Methane Mitigation (See Section 4.3)</b>
Aussie Skin 550G/550S	47	Yes	No
Aussie Skin 555G/555S	59	Yes	No
Aussie Skin 558G/558S	71	Yes	Yes
Aussie Skin 560G/560S	79	Yes	Yes
Aussie Skin 565G/565S	98	Yes	Yes

For SI: 1 mil=0.001 inch=0.0254 mm

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

**Section: 07 11 00—Dampproofing**

**Section: 07 13 00—Sheet Waterproofing**

**DIVISION: 31 00 00—EARTHWORK**

**Section: 31 21 16—Methane Mitigation**

**REPORT HOLDER:**

**AVM INDUSTRIES, INC.**

**EVALUATION SUBJECT:**

**AUSSIE SKIN 550G/550S, 555G/555S, 558G/558S, 560G/560S, 565G/565S WATERPROOFING MEMBRANES**

## 1.0 REPORT PURPOSE AND SCOPE

### Purpose:

The purpose of this evaluation report supplement is to indicate that Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S waterproofing membranes, described in ICC-ES evaluation report [ESR-5395](#), 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:

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

## 2.0 CONCLUSIONS

The Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S waterproofing membranes], described in Sections 2.0 through 7.0 of the evaluation report [ESR-5395](#), comply with the LABC Chapter 18, and the LARC, Chapter 4 and are subject to the conditions of use described in this supplement.

## 3.0 CONDITIONS OF USE

The Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S waterproofing membranes described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-5395](#).
- The design, installation, conditions of use and identification of the Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S waterproofing membranes 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-5395](#).
- The installation and inspection are in accordance with additional requirements of LABC Chapters 17 and 18, 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 13 00—Sheet Waterproofing

**DIVISION: 31 00 00—EARTHWORK**

Section: 31 21 16—Methane Mitigation

**REPORT HOLDER:**

AVM INDUSTRIES, INC.

**EVALUATION SUBJECT:****AUSSIE SKIN 550G/550S, 555G/555S, 558G/558S, 560G/560S, 565G/565S WATERPROOFING MEMBRANES****1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S waterproofing membranes, described in ICC-ES evaluation report ESR-5395, have 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 Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S membranes, described in Sections 2.0 through 7.0 of the evaluation report ESR-5395, comply 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 Chapters 17 and 18, as applicable.

**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 Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S membranes, described in Sections 2.0 through 7.0 of the evaluation report ESR-5395, comply 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

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**DIVISION: 31 00 00—EARTHWORK**

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**REPORT HOLDER:**

AVM INDUSTRIES, INC.

**EVALUATION SUBJECT:****AUSSIE SKIN 550G/550S, 555G/555S, 558G/558S, 560G/560S, 565G/565S WATERPROOFING MEMBRANES****1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that Aussie Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S waterproofing membranes, described in ICC-ES evaluation report ESR-5395, have 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 Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S waterproofing membranes, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-5395, comply with the *Florida Building Code-Building* or the *Florida Building Code-Residential*. The design requirements must be determined in accordance with the *Florida Building Code-Building* or the *Florida Building Code-Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-5395 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 Skin 550G/550S, 555G/555S, 558G/558S, 560G/560S and 565G/565S waterproofing membranes for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code-Building* or the *Florida Building Code-Residential* have not been evaluated, and are 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 issue April 2024.