

# ICC-ES Evaluation Report

ESR-4715

Reissued April 2025


This report also contains:

[-City of LA Supplement](#)

Subject to renewal April 2026

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<b>DIVISION: 07 00 00 — THERMAL AND MOISTURE PROTECTION</b>  <b>Section: SECTION 07 27 00 – Air Barrier</b>  <b>DIVISION: 09 00 00 — FINISHES</b>  <b>Section: SECTION 09 00 00 – Finishes</b>	<b>REPORT HOLDER:</b>  <b>INTELLIGENT MEMBRANES, LTD.</b>	<b>EVALUATION SUBJECT:</b>  <b>PASSIVE PURPLE AND PASSIVE PURPLE BRUSH</b>	
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## 1.0 EVALUATION SCOPE

Compliance with the following codes:

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

Properties evaluated:

- Surface burning characteristics
- Air leakage

## 2.0 USES

Passive Purple and Passive Purple Brush are liquid-applied coatings used as interior finish on walls and ceilings in accordance with 2021 and 2018 IBC Section 803.1.2 (2015 IBC Section 803.1.1) and IRC Section R302.9.

## 3.0 DESCRIPTION

### 3.1 General:

Passive Purple and Passive Purple Brush are liquid applied membranes that are used as an interior finish. The coatings have a shelf life of twelve months when stored in factory-sealed containers at temperatures no less than 41°F (5°C) and no greater than 95°F (35°C).

### 3.2 Surface Burning Characteristics:

When applied to noncombustible substrates at a maximum thickness of 20.5 mils [0.021 inch (0.52 mm)] wet film thickness {12.1 mils [0.012 inch (0.31 mm)] dry film thickness} Passive Purple and Passive Purple Brush have a flame spread index of 25 or less and a smoke developed index of 450 or less when tested in accordance with ASTM E84 (UL 723) and meets the requirements of IRC Section R302.9 and qualifies as Class A interior wall and ceiling finish in accordance with 2021 and 2018 IBC Section 803.1.2 (2015 IBC Section 803.1.1).

### 3.3 Air Barrier Material:

Passive Purple and Passive Purple Brush liquid applied coatings at a minimum 20 mils wet film thickness [0.02 inch (0.51 mm)] have an air leakage rating not exceeding 0.02 L/s-m<sup>2</sup> at 75 PA [0.004 cfm/ft<sup>2</sup> at 0.3 inch w.g. (1.57 psf)] when tested as air barrier material in accordance with IRC Section N1102.4.1 and IECC Section C402.5 and R402.4.

## 4.0 INSTALLATION

### 4.1 General:

Passive Purple and Passive Purple Brush must be applied in accordance with the manufacturer's published application instructions and this report. A copy of the instructions must be available on the job site at all times.

The coatings must be mechanically mixed prior to application. Surfaces to be coated must be inspected in accordance with the manufacturer's published installation instructions and must be dry, clean, and free of dirt, loose debris and other substance that could interfere with the adhesion of the coating. The coatings must not be applied when the ambient or surface temperature is below 41°F (5°C). The coatings are applied to the required thickness using airless spray equipment, paint roller or paintbrush.

## 5.0 CONDITIONS OF USE:

Passive Purple and Passive Purple Brush liquid applied coatings 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 Application must comply with this report, the manufacturer's published installation instructions, and the applicable code. A copy of the installation instructions must be on the job site during application of the coatings. In the event of a conflict, this report and the code govern.
- 5.2 Application of the coating is limited to code complying noncombustible substrates.
- 5.3 The coatings are manufactured under a quality control program with inspections by ICC-ES.

## 6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with ASTM E84, Standard Test Method for Surface Burning Characteristics of Building Materials.
- 6.2 Data in accordance with ASTM E2178, Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials.

## 7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-4715) along with the name, registered trademark, or registered logo of the report holder (Intelligent Membranes, Ltd.) must be included in the product label.
- 7.2 In addition, Passive Purple and Passive Purple Brush are identified by a label bearing the product name, pack weight, batch number and brief installation instructions.
- 7.3 The report holder's contact information is the following:

**INTELLIGENT MEMBRANES, LTD**  
**CLOPTON MANOR, LOWER ROAD**  
**CROYDON**  
**CAMBRIDGESHIRE, 598 0EF**  
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## ICC-ES Evaluation Report

## ESR-4715 City of LA Supplement

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**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**  
**Section: 07 27 00—Air Barrier**

**DIVISION: 09 00 00— FINISHES**  
**Section: 09 00 00—Finishes**

### REPORT HOLDER:

INTELLIGENT MEMBRANES, LTD.

### EVALUATION SUBJECT:

PASSIVE PURPLE AND PASSIVE PURPLE BRUSH

### 1.0 REPORT PURPOSE AND SCOPE

#### Purpose:

The purpose of this evaluation report supplement is to indicate that Passive Purple and Passive Purple Brush, described in ICC-ES evaluation report [ESR-4715](#), 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 Passive Purple and Passive Purple Brush, described in Sections 2.0 through 7.0 of the evaluation report [ESR-4715](#), comply with the LABC Chapter 8, and the LARC, and are subject to the conditions of use described in this supplement.

### 3.0 CONDITIONS OF USE

The Passive Purple and Passive Purple Brush described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-4715](#).
- The design, installation, conditions of use and identification of the Passive Purple and Passive Purple Brush 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-4715](#).
- The design, installation and inspection are in accordance with additional requirements of LABC Chapter 17, as applicable.

This supplement expires concurrently with the evaluation report, reissued April 2025.