



ICC-ES Evaluation Report ESR-4597

Reissued July 2023

This report is subject to renewal July 2025.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 65 00—Flexible Flashing

REPORT HOLDER:

HUBER ENGINEERED WOODS LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ LIQUID FLASH

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021 and 2018 *International Building Code*® (IBC)
- 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-4597 LABC and LARC Supplement](#).

Property evaluated:

Water resistance

2.0 USES

ZIP System™ Liquid Flash may be used as a flashing in accordance with 2021 and 2018 IBC Section 1404.4, and 2021, 2018 and 2015 IRC Section R703.4, when installed in accordance with Section 4.3 of this report.

3.0 DESCRIPTION

3.1 General:

3.1.1 ZIP System™ Liquid Flash: ZIP System™ Liquid Flash is a single-component, ready-mixed, flexible, polymer-based, gun-grade material. ZIP System™ Liquid Flash is packaged in 10.3-ounce (305mL) and 29-ounce (858 mL) caulk-gun tubes and 20-ounce (591mL) sausages. It has a one-year shelf life after the date of manufacture when stored in its original unopened container at temperatures between 40°F (4.4°C) and 80°F (27°C). ZIP System™ Liquid Flash complies with AAMA 714 in accordance with Section 1404.4 of the 2021 and 2018 IBC and Section R703.4 of the 2021, 2018 and 2015 IRC. ZIP System™ Liquid Flash meets the Classification Level 3 for elevated temperature exposure and application to damp concrete surfaces in accordance with the requirements of AAMA 714.

4.0 INSTALLATION

4.1 General:

The installation of ZIP System™ Liquid Flash 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.

4.2 Substrate Preparation

ZIP System™ Liquid Flash must be installed on the exterior side of vertical exterior walls, over the exterior substrate. The substrate type must be one of those listed in Section 5.2 of this report. Substrates must be installed as required by the applicable code. The substrate surfaces must be free of all bond-inhibiting materials, including dirt, oil and other foreign matter.

4.3 ZIP System™ Liquid Flash Application:

ZIP System™ Liquid Flash is applied to the rough opening substrate (such as a windowsill pan) and extending onto the adjacent wall surface 4 to 6 inches (100 to 152 mm). For non-heat generating pipe vents or similar through-wall penetrations, ZIP System™ Liquid Flash is applied to the opening substrate and extending onto the penetrating object 1 to 2 inches. Allow treated surfaces to skin prior to the installation of windows, door, and other wall assembly or air barrier components (see Figures 1 through 3). The installation of ZIP System™ Liquid Flash must comply with this report and the manufacturer's published installation instructions.

5.0 CONDITIONS OF USE

The ZIP System™ Liquid Flash described in this report complies 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 this report and the manufacturer's published installation instructions, this report governs.
- 5.2** Installation of the ZIP System™ Liquid Flash as a flashing material is limited to use with OSB sheathing, concrete, masonry, PVC, plywood, wood, magnesium oxide (MgO) board, galvanized steel, stainless steel, anodized aluminum, ZIP System™ Roof Sheathing Panels (ESR-1473) and ZIP System™ Wall Sheathing Panels (ESR-1474).

- 5.3 Zip System™ Liquid Flash shall not be used as fire caulking to seal an annular space for heat generating exhaust vents, such as dryer vents.
- 5.4 ZIP System™ Liquid Flash is permitted for use as a flashing material on exterior walls of buildings of all construction types in accordance with 2021 and 2018 IBC Section 1402.5.

6.0 EVIDENCE SUBMITTED

Data in accordance with AAMA 714 per Section 3.4 of ICC-ES Acceptance Criteria for Flexible Flashing Materials (AC148), dated July 2017 (Editorially revised March 2021).

7.0 IDENTIFICATION

- 7.1 Packages of the ZIP System™ Liquid Flash described in this report must be identified by a label bearing the

manufacturer's name (Huber Engineered Woods LLC), address and phone number; product name (ZIP System™ Liquid Flash); identification of components; lot or batch number; quantity of material in packaged mix; storage instructions; date of manufacture; shelf life and the ICC-ES evaluation report number (ESR-4597).

- 7.2 The report holder's contact information is the following:

HUBER ENGINEERED WOODS LLC
10925 DAVID TAYLOR DRIVE, SUITE #300
CHARLOTTE, NORTH CAROLINA 28262
(800) 933-9220
www.huberwood.com



FIGURE 1 – TYPICAL FLASHING FOR THROUGH WALL PENETRATION

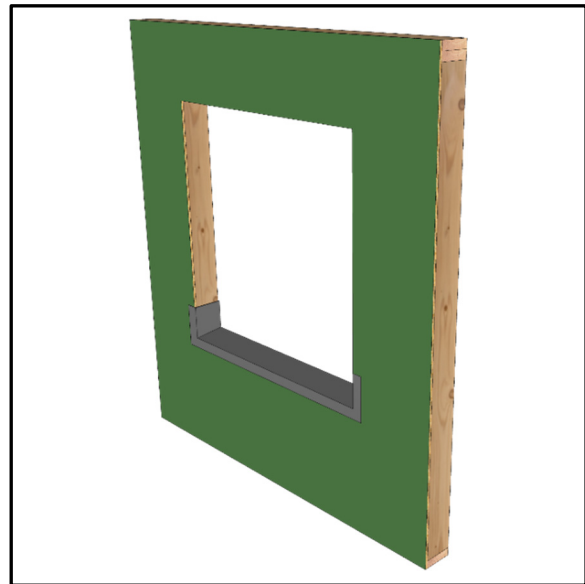


FIGURE 2 – TYPICAL FLASHING FOR WINDOWSILL PAN



FIGURE 3 – TYPICAL FLASHING FOR WINDOW FLANGE

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 65 00—Flexible Flashing

REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ LIQUID FLASH

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that Zip System™ Liquid Flash described in ICC-ES evaluation report [ESR-4597](#), 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 Zip System™ Liquid Flash, described in Sections 2.0 through 7.0 of the evaluation report [ESR-4597](#), complies with LABC Chapter 14, and LARC Section R703, and is subjected to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Zip System™ Liquid Flash described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-4597](#).
- The installation, conditions of use and identification of the Liquid Flash are in accordance with the 2021 *International Building Code*® (IBC) and 2021 *International Residential Code*® (IRC) provisions, as applicable, as noted in the evaluation report [ESR-4597](#).

This supplement expires concurrently with the evaluation report, reissued July 2023.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 65 00—Flexible Flashing

REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ LIQUID FLASH

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that Zip System™ Liquid Flash, described in ICC-ES evaluation report ESR-4597, has also been evaluated for compliance with the code(s) noted below.

Applicable code editions:

- 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 Zip System™ Liquid Flash, described in Sections 2.0 through 7.0 of the evaluation report ESR-4597, complies with CBC Chapter 14, 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 14, 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 Zip System™ Liquid Flash, described in Sections 2.0 through 7.0 of the evaluation report ESR-4597, complies with the CRC Section R703.4, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report.

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REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

EVALUATION SUBJECT:

ZIP SYSTEM™ LIQUID FLASH

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that ZIP System™ Liquid Flash, described in ICC-ES evaluation report ESR-4597, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2020 *Florida Building Code—Building*
- 2020 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The ZIP System™ Liquid Flash, described in Sections 2.0 through 7.0 of the evaluation report ESR-4597, complies with the *Florida Building Code—Building* and the *Florida Building Code—Residential*, provided the design and installation are in accordance with the 2018 *International Building Code*® and the 2018 *International Residential Code*® provisions noted in the evaluation report.

Use of the ZIP System™ Liquid Flash for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Residential* has not been evaluated and is outside the scope of this supplemental report.

For products falling under Florida Rule 9N-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).

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