

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 12 00—Structural Panels

REPORT HOLDER:

PREFLEX

EVALUATION SUBJECT:

STRUCTURAL INSULATED PANELS (SIPS)

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that Structural Insulated Panels, described in ICC-ES evaluation report ESR-5318, 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 Structural Insulated Panels, described in Sections 2.0 through 7.0 of the evaluation report ESR-5318, comply with CBC Chapters 23 and 26, 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 16 and 17, as applicable.

2.1.1 OSHPD:

The Structural Insulated Panels, described in Sections 2.0 through 7.0 of the evaluation report ESR-5318, comply with CBC amended Chapters 23 and 26, 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 in Sections 2.1.1.1 and 2.1.1.2 of this supplement:

2.1.1.1 Conditions of Use

1. All loads applied shall be determined by the registered design professional and shall comply with applicable loads and load combinations from CBC Chapter 16 and amendments [OSHPD 1R, 2, 3 and 5] and 16A [OSHPD 1 and 4].
1. Fastener used for attachment of exterior wall covering shall comply with CBC Section 2304.10.2 [OSHPD 1, 1R, 2B, 4 & 5].
2. Applicable provisions in CBC Section 2301.1.4 [OSHPD 1, 1R, 2, 4 & 5].
3. Seismic Design Category shall be in accordance with CBC amended Section 1613.1 Exception 6 [OSHPD 1R, 2 and 5].

2.1.1.2 Special Inspection Requirements: Special inspection of seismic resistance are required in accordance with CBC amended Section 1705A.1.1 [OSHPD 1 and 4].

2.1.2 DSA:

The Structural Insulated Panels, described in Sections 2.0 through 7.0 of the evaluation report ESR-5318, comply with CBC amended Chapters 23 and 26, 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 in Sections 2.1.2.1 and 2.1.2.2 of this supplement:

2.1.1.3 Conditions of Use:

1. All loads applied shall be determined by the registered design professional and shall comply with applicable loads and load combinations from CBC Chapter 16 and amendments [DSA-SS/CC] and 16A [DSA/SS].
2. Fastener used for attachment of exterior wall covering shall comply with CBC 2304.10.2 [DSA-SS].
3. Applicable provisions in CBC Section 2301.1.4 [DSA-SS & DSA-SS/CC].
4. Seismic Design Category shall be in accordance with CBC amended Section 1613.1 Exception 6 [DSA-SS and DSA-SS/CC].

2.1.1.4 Special Inspection Requirements: Special inspection of seismic resistance are required in accordance with CBC amended Section 1705A.1.1 [DSA-SS and DSA-SS/CC].

2.2 CRC:

The Structural Insulated Panels, described in Sections 2.0 through 7.0 of the evaluation report ESR-5318, comply with CRC Chapter 3, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report.

This supplement expires concurrently with the evaluation report, issued August 2023.