



# ICC-ES Evaluation Report

## ESR-3158

Reissued July 2023

This report is subject to renewal July 2025.

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

**Section: 07 46 33—Plastic Siding**

**REPORT HOLDER:**

**INTEPLAST GROUP CORPORATION**

**EVALUATION SUBJECT:**

**INTEPLAST BUILDING PRODUCTS SIDING (INTEPLAST SIDING)**

**ADDITIONAL LISTEE:**

**THE WOLF ORGANIZATION, LLC  
PRODUCT: WOLF PORTRAIT SIDING SILHOUETTE (INTEPLAST SIDING 7"), WOLF PORTRAIT SIDING VIGNETTE (INTEPLAST SIDING DOUBLE 4")**

### 1.0 EVALUATION SCOPE

#### 1.1 Compliance with the following codes:

- 2018, 2015, 2012 and 2009 *International Building Code*® (IBC)
- 2018, 2015, 2012 and 2009 *International Residential Code*® (IRC)

#### Properties evaluated:

- Exterior veneer
- Wind resistance

#### 1.2 Evaluation to the following green code(s) and/or standards:

- 2019 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2020, 2015, 2012 and 2008 ICC 700 *National Green Building Standard*™ (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)

#### Attributes verified:

See Section 3.0

### 2.0 USES

Inteplast Building Products Siding is used as an exterior wall covering over a code-complying sheathing or substrate capable of supporting the imposed loads on

buildings of Type VB construction (IBC), and on structures constructed in accordance with the IRC.

### 3.0 DESCRIPTION

Inteplast Siding 7" White is horizontal and vertical lap siding and soffits, co-extrusion of polyvinyl chloride (PVC) cap layer and a cellular PVC core that conforms to the requirements of ASTM D3679. The siding is used as an exterior wall covering over solid sheathing and as soffit. The siding has a wood-grain texture with matching trim, corners and starter strips.

Inteplast Siding 7" are horizontal and vertical lap siding and soffits, co-extrusion of a styrene co-polymer cap layer and a cellular polyvinyl chloride (PVC) core that conforms to the requirements of ASTM D3679. The siding is used as an exterior wall covering over solid sheathing and as soffit. The siding has a wood-grain texture and is available in various colors with matching trim, corners and starter strips. The Inteplast Siding 7" is available in the following colors: Timber Bark, Arctic White, Sail Cloth, Light Mist, Khaki Brown, Monterey Taupe, Graphite, Riverstone and Hemlock.

Inteplast Siding Double 4" (also can be recognized as 2 x 4", 4" x 2, or D4") is horizontal and vertical lap siding and soffits, co-extrusion of polyvinyl chloride (PVC) cap layer and a cellular PVC core that conforms to the requirements of ASTM D3679. The siding is used as an exterior wall covering over solid sheathing and as soffit. The siding has a wood-grain texture with matching trim, corners and starter strips. The Inteplast Siding Double 4" is available in the following colors: Timber Bark, Arctic White, Sail Cloth, Light Mist, Khaki Brown, Monterey Taupe, Graphite, Riverstone and Hemlock.

The attributes of the composite foam plastic panels have been verified as conforming to the provisions of (i) CALGreen Sections A4.405.1.3 (prefinished materials) and A5.406.1.2 (reduced maintenance); (ii) ICC 700-2020 Sections 601.7 and 11.601.7 (iii) ICC 700-2015 and ICC 700-2012 Sections 601.7, 11.601.7, and 12.1(A).601.7 (site-applied finishing materials); and (iv) ICC 700-2008 Section 601.7 (site-applied finishing materials). Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. The code may provide supplemental information as guidance.

## 4.0 INSTALLATION

### 4.1 General:

Installation of the siding, including the panels, corners, starter strips, trim and other accessory items, must be in accordance with the manufacturer's published installation instructions, the applicable code and this report. In the event of a conflict between the manufacturer's published installation instructions and this report, this report must govern. A copy of the manufacturer's published installation instructions must be on the jobsite at all times during installation.

Inteplast Siding must be applied over solid sheathing and a water-resistive barrier as required by the applicable code.

### 4.2 Wind Resistance:

**4.2.1 General:** The design wind pressure must be determined in accordance with the requirements of Chapter 16 of the IBC or Section R301.2.1.1 of the IRC, as applicable. Inteplast Siding must not be used where design wind pressure exceeds an allowable negative wind load as indicated in Table 1, subject to the conditions in Sections 4.2.2 and 4.2.3 of this report. Wind resistance of the soffit panels is outside the scope of this report.

**4.2.2 IBC:** For buildings constructed under the requirements of the IBC, siding must be installed as described in 2018 IBC Section 1404.14 (2015, 2012 and 2009 IBC Section 1405.14) and Section 4.1 of this report, over sheathing or materials addressed in IBC Section 2304.6 that are capable of independently resisting both positive and negative wind pressures occurring under design conditions at the building location. The allowable negative wind loads for the Inteplast Siding are shown in Table 1. Positive wind pressures are not considered for the siding, since the sheathing must be capable of supporting the imposed loads, including but not limited to, positive and negative transverse wind pressures.

**4.2.3 IRC:** For buildings constructed in accordance with the IRC, the siding must be installed as described in Section 4.2.1 and in accordance with one of the following conditions:

1. Under the 2018 IRC, installation over sheathing other than foam plastic sheathing, in applications where the design wind pressure does not exceed 30 psf or the ultimate wind speed (3-second gust) does not exceed the limits in Table R703.3.2, installation shall comply with the prescriptive requirements of IRC Section R703.11.1 and Table R703.3(1).
2. Under the 2015 IRC, installation over sheathings other than foam plastic sheathings, in applications where the design wind pressure does not exceed 30 psf or the ultimate wind speed (3-second gust) does not exceed the limits in Table R703.3.1, installation shall comply with the prescriptive requirements of IRC Section R703.11.1 and Table R703.3(1).
3. Under the 2012 and 2009 IRC, in applications where the building's mean roof height does not exceed 30 feet (9 144 mm) and the basic wind speed (3-second gust) is less than 110 mph (49 m/s) in Exposure B, and does not exceed 90 mph (40 m/s) in Exposure C or 85 mph (38 m/s) in Exposure D, sheathing, other than foam plastic, must be as required by Table R703.4 of the 2012 and 2009 IRC.
4. For wind conditions exceeding those listed above, the siding must be installed over sheathing that is capable of independently resisting both positive and negative

wind pressures occurring under the design conditions at the building location. The allowable negative wind loads for the siding are as shown in Table 1. Positive wind pressures are not considered for the siding, since the sheathing must be capable of supporting the imposed loads, including but not limited to, positive and negative transverse wind pressures.

5. For installation over foam plastic sheathing, the siding must be installed in accordance with Section R703.11.2 of the IRC.

**4.2.4 Negative Wind Pressures:** Allowable negative wind pressures for siding installed over sheathing materials not addressed in Section 4.2.2 and 4.2.3 are outside the scope of this report.

## 5.0 CONDITIONS OF USE

The Inteplast Siding 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. If there is a conflict between the installation instructions and this report, this report governs.
- 5.2 Inteplast Siding must be installed only on exterior walls covered by solid sheathing and a water-resistive barrier.
- 5.3 The exterior walls must be braced or sheathed to resist racking loads with approved materials in accordance with the requirements of the applicable code.
- 5.4 Inteplast Siding is manufactured in Lolita, Texas, under a quality-control program with inspections by ICC-ES.

## 6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with Section 3.1.2 of the ICC-ES Acceptance Criteria for Vinyl Siding (AC37), dated February 2014 (editorially revised October 2017).
- 6.2 Data in accordance with Section 3.1, 4.1 and 4.6 of the ICC-ES Acceptance Criteria for Rigid Cellular PVC Nonload-Bearing Exterior Trim (AC227), dated December 2004 (editorially revised November 2017).

## 7.0 IDENTIFICATION

- 7.1 Each package of Inteplast Siding described in this report is identified, with the manufacturer's name (Inteplast Group Corporation) and address, the product designation, the manufacturing date code, and the evaluation report number (ESR-3158).
- 7.2 The report holder's contact information is the following:

**INTEPLAST GROUP CORPORATION**  
**9 PEACH TREE HILL ROAD**  
**LIVINGSTON, NEW JERSEY 07039**  
**(973) 994-8027**  
[www.inteplast.com](http://www.inteplast.com)

- 7.3 The Additional Listee's contact information is the following:

**THE WOLF ORGANIZATION, LLC**  
**20 WEST MARKET STREET**  
**POST OFFICE BOX 1267**  
**YORK, PENNSYLVANIA 17401**

TABLE 1—ALLOWABLE NEGATIVE WIND PRESSURES

PRODUCT NAME	FASTENER SPACING	FASTENER TYPE	ALLOWABLE NEGATIVE WIND PRESSURE (psf)
Inteplast Siding 7"	16 inches o.c.	6d, 2 inches (smooth shank) common nail	50
Inteplast Siding Double 4"	16 inches o.c.	6d, 2 inches (smooth shank) common nail	95
Inteplast Siding White	16 inches o.c.	6d, 2 inches (smooth shank) common nail	65

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**1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that Inteplast Building Products Siding, described in ICC-ES evaluation report ESR-3158, has also been evaluated for compliance with the codes noted below.

**Applicable code edition(s):**

- 2019 *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.

- 2019 *California Residential Code* (CRC)

**2.0 CONCLUSIONS****2.1 CBC:**

The Inteplast Building Products Siding, described in Sections 2.0 through 7.0 of the evaluation report ESR-3158, complies with CBC Chapter 14, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and applicable provisions of the CBC, and the applicable provisions of the CBC.

**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 Inteplast Building Products Siding, described in Sections 2.0 through 7.0 of the evaluation report ESR-3158, complies with CRC Chapter 7, provided the design and installation are in accordance with the 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report and applicable provisions of the CRC.

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