

ICC-ES Evaluation Report

ESR-3158

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A Subsidiary of the International Code Council®

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:

- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2015, 2012 and 2008 ICC 700 *National Green Building Standard*™ (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 700-2015 and ICC 700-2012 Sections 601.7, 11.601.7, and 12.1(A).601.7 (site-applied finishing materials); and (iii) 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

- 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