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ESR-3158

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

SECTION: 07 46 33—PLASTIC SIDING

REPORT HOLDER:

INTEPLAST GROUP CORPORATION

9 PEACH TREE HILL ROAD
LIVINGSTON, NEW JERSEY 07039

EVALUATION SUBJECT:

INTEPLAST BUILDING PRODUCTS SIDING (INTEPLAST SIDING)

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 46 33—Plastic Siding

REPORT HOLDER:

INTEPLAST GROUP CORPORATION
9 PEACH TREE HILL ROAD
LIVINGSTON, NEW JERSEY 07039
(973) 994-8027
www.inteplast.com

EVALUATION SUBJECT:

INTEPLAST BUILDING PRODUCTS SIDING (INTEPLAST SIDING)

ADDITIONAL LISTEE:

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

PRODUCT: WOLF SIDING

1.0 EVALUATION SCOPE

Compliance with the following codes:

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

Properties evaluated:

- Exterior veneer
- Wind resistance

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 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 Timber Bark, Inteplast Siding Arctic White, Inteplast Siding Sail Cloth, Inteplast Siding Light Mist and Inteplast Siding Khaki Brown 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.

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 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. 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 with one of the following conditions:

1. For installation over sheathing, other than foam plastic sheathing, in applications where the building's mean roof height does not exceed 30 feet and the basic wind speed 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 (37 m/s) in Exposure D, sheathing must be as required by Table R703.4 of the IRC. Should any of these conditions not be met, installation must be in accordance with the following: Siding must be installed over sheathing as required by Table R703.4 of the IRC that is capable of independently resisting both positive and negative wind pressures occurring under design conditions at the building location. The sheathing must be capable of withstanding an allowable negative wind load of 63.1 psf (3012 N/m^2) or greater. 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.
2. 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 July 2015).

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 June 2012).

6.3 Quality documentation in accordance with the ICC-ES Acceptance Criteria for Quality Documentation (AC10), dated June 2014.

7.0 IDENTIFICATION

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).

TABLE 1—ALLOWABLE NEGATIVE WIND PRESSURES

PRODUCT NAME	FASTENER SPACING	FASTENER TYPE	ALLOWABLE NEGATIVE WIND PRESSURE (psf)
Inteplast Siding Timber Bark	16 inches o.c.	6d, 2 inches (smooth shank) common nail	50
Inteplast Siding Arctic White	16 inches o.c.	6d, 2 inches (smooth shank) common nail	50
Inteplast Siding Sail Cloth	16 inches o.c.	6d, 2 inches (smooth shank) common nail	50
Inteplast Siding Light Mist	16 inches o.c.	6d, 2 inches (smooth shank) common nail	50
Inteplast Siding Khaki Brown	16 inches o.c.	6d, 2 inches (smooth shank) common nail	50
Inteplast Siding White	16 inches o.c.	6d, 2 inches (smooth shank) common nail	65