Code Compliance Research Report
CCRR-0420

Issue Date: 09-09-2021
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Renewal Date: 09-30-2027

DIVISION: 06 - Woods, Plastics, and Composites
Section: 06 65 00 - Plastic Trim

REPORT HOLDER:
GREEN ATLANTIC
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REPORT SUBJECT:
Green Atlantic PVC

1.0 SCOPE OF EVALUATION

1.1. This research report addresses compliance with the following Codes:

- 2024, 2021 *International Building Code®* (IBC)
- 2024, 2021 *International Residential Code®* (IRC)

1.2. *Green Atlantic PVC* has been evaluated for the following properties:

- Durability
- Surface Burning
- Termite Resistance
- Corrosion Resistance
- Weather Resistance
- Structural-negative-transverse wind loads on soffits

1.3. *Green Atlantic PVC* been evaluated for the following uses:

- *Green Atlantic PVC* trim boards are rigid cellular PVC solid cross sections intended for use as corner boards, soffits, fascia, battens, door pilasters, frieze boards, nonload-bearing rake boards, architectural millwork and door and window trim on buildings of combustible, nonfire-resistance rated construction.

2.0 STATEMENT OF COMPLIANCE

Green Atlantic PVC complies with the Codes listed in Section 1.1, for the properties stated in Section 1.2 and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in section 6.0.

2.1. 2024 IBC and IRC Evaluation Reports

The Intertek CCRR is an *Evaluation Report* for approval of an alternate material, design, or method of construction in accordance with Section 104.2.3.6.1 of the 2024 IBC and Section R104.2.2.6.1 of the 2024 IRC.

3.0 DESCRIPTION

3.1. *Green Atlantic PVC* trim boards are manufactured with expanded poly-vinyl-chloride (cellular PVC) using an extrusion process.

3.2. *Green Atlantic PVC* trim boards are supplied with either a smooth surface or woodgrain textured finish. They are available in nominal widths of 3, 4, 5, 6, 8, 10, 12, and 16 inches; nominal thicknesses of 1/2, 3/4, and 5/4 inches.

4.0 PERFORMANCE CHARACTERISTICS

4.1. Materials used have a flame spread index less than 200 when tested in accordance with ASTM E 84.

4.2. Materials used are deemed equivalent to preservative treated or naturally durable wood for resistance to weathering effects and attack from termites.

4.3. Materials used are not affected by corrosion due to contact with ACQ-D preservative-treated wood.

4.4. Soffit assemblies consisting of 1/2-inch by 11-1/4 inch wide boards installed on framing spaced 16 inches on center have a maximum allowable design load of 25 psf for negative (suction) wind pressure when

attached to SYP (G=0.55) wood framing. Installation consists of two 8d finish nails (2.5 inch long) installed in each wood framing member, positioned 3/4 inches from each board's edge.

5.0 INSTALLATION

Green Atlantic PVC must be installed in accordance with the manufacturer's published installation instructions, the applicable Code and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

5.1. Fasteners shall be stainless steel or hot-dipped galvanized steel and designed for wood trim and siding. Fasteners shall have blunt points and full round heads. The fastener must be long enough to penetrate the wood substrate a minimum of 1.5 inches.

5.2. Except as noted in Section 4.4 of this report, the trim boards shall be installed over solid backing material, including approved exterior sheathing or exterior wall coverings. *Green Atlantic PVC* fascia must be installed over an approved structural sub-fascia.

6.0 CONDITIONS OF USE

6.1. Installation must comply with this Research Report, the manufacturer's published installation instructions and the applicable Code. In the event of a conflict, this report governs.

6.2. *Green Atlantic PVC* trim boards are limited to the following three construction types:

6.2.1. Nonload-bearing exterior trim on buildings of Type V-B (5B) construction under the IBC.

6.2.2. Combustible architectural trim on exterior walls of buildings of Type I, II, III, and IV construction under the IBC, limited to: 10 percent of an exterior wall surface area where the fire separation distance is less than 5 feet; and 40 feet in height above grade.

6.2.3. All buildings permitted under the IRC.

6.3. Compatibility of the supporting construction materials with all fasteners, components, and other hardware components is subject to approval by the code official.

6.4. When fasteners are installed in pressure-treated wood (preservative or fire-retardant), the appropriate adjustment factors based on the pressure-treated wood manufacturer's recommendations or appropriate code provisions shall be applied to reduce the capacity of the fastener.

6.5. Fasteners shall have an appropriate corrosion protection for exterior use and the substrate in which it is installed.

6.6. Only those types of fasteners and fastening methods described in this report have been evaluated for the installation of the *Green Atlantic PVC* trim boards. Other methods of attachment are outside the scope of this report.

6.7. All products are manufactured by Green Atlantic under a quality program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1. Manufacturer's drawings and installation instructions.

7.2. Reports of testing demonstrating compliance with ICC-ES AC227, Acceptance Criteria for Rigid Cellular PVC Nonload-Bearing Exterior Trim, revised June 2017.

7.3. Reports of testing in accordance with ASTM E330-14, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.

7.4. Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report.

8.0 IDENTIFICAION

The *Green Atlantic PVC* is identified with the manufacturer's name address and telephone number, the product name (*Green Atlantic PVC*), the Intertek Mark, and the Code Compliance Research Report number (CCRR-0420).



CODE COMPLIANCE
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9.0 OTHER CODES

This section is not applicable.

10.0 CODE COMPLIANCE RESEARCH REPORT USE

10.1. Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

10.2. Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

10.3. Reference to the Intertek website address: bpdirectory.intertek.com is recommended to ascertain the current version and status of this report.

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