

# Product Evaluation Report

CERTIFIED BY INTERTEK



## PER - 0403

Issue Date: May 13, 2022

Revision Date: May 20, 2025

Renewal Date: May 31, 2026

**SUBJECT: Provia Vinyl and Insulated Siding**

**CSI Section: 07 46 33 Plastic Siding**

**COMPANY:**

**Provia LLC**

**2150 State Route 39**

**Sugarcreek, OH 44681**

**(330) 852-4711**

[provia.com](http://provia.com)

### 1.0 SCOPE OF EVALUATION

**1.1** Provia Vinyl Siding has been evaluated for use as exterior wall covering in accordance with the following building codes:

- 2024, 2021, 2018 *International Building Code*® (IBC)
  - 2024, 2021, 2018 *International Residential Code*® (IRC)
  - 2023, 2020 *Florida Building Code* (FBC) excluding High Velocity Hurricane Zone (HVHZ)
    - Includes FBC-Building (FBC-B) and FBC-Residential (FBC-R)
  - 2022 *California Building Code* (CBC)\*
  - 2022 *California Residential Code* (CRC)\*
- \* Excluding Wildland Urban Interface (WUI) for CBC and CRC.

Provia Insulated Siding has been evaluated for use as exterior wall covering in accordance with the following building codes:

- 2024 *International Building Code*®
- 2024, 2021, 2018 *International Residential Code*® (IRC)
- 2023, 2020 *Florida Building Code – Residential* (FBC-R)
- 2022 *California Residential Code* (CRC)

Code sections referenced throughout this report apply to the 2024 IBC or 2024 IRC. See Table 1 for correlation with sections for other codes.

**1.2** Provia Vinyl and Insulated Siding has been evaluated for the following:

- Materials
- Installation

- Wind resistance
- Thermal resistance (insulated siding only)

**1.3** Uses:

- IBC, FBC-B, and CBC Type V construction
- All building types under the IRC, FBC-R and CRC

### 2.0 STATEMENT OF COMPLIANCE

Provia Vinyl and Insulated Siding comply with the Codes listed in Section 1.1, for the properties and uses stated in Section 1.2 and 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.

Provia Vinyl Siding conforms to ASTM D3679 in accordance with:

IBC Sect. 1403.8

IRC Sect. R703.11

Provia Insulated Siding conforms to ASTM D7793 in accordance with:

IBC Sect. 1403.14

IRC Sect. R703.13

### 3.0 DESCRIPTION

Provia Vinyl and Insulated Siding are extruded PVC siding panels formed in various profiles and surface textures. Each panel has a continuous interlocking nail hem for attachment to the exterior wall. Provia Insulated Siding is backed with a rigid foam insulation.

### 4.0 PERFORMANCE CHARACTERISTICS

**4.1** Wind Resistance (Positive Pressure): Provia Vinyl and Insulated Siding are not evaluated for positive wind pressure and must be installed over structural

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sheathing rated and installed for the required design wind pressure.

- 4.2** Wind Resistance (Negative Pressure): Maximum allowable design pressures are given in Tables 2 and 3 for the specified fastening. Specified fastening meets or exceeds IBC Section 1404.15.1 and IRC Sections R703.3, R703.11 and R703.13.

- 4.3** Thermal Resistance: Provia Insulated Siding thermal resistance (R-values) are given in Table 4 when tested in accordance with ASTM C1363.

### 5.0 INSTALLATION

#### 5.1 General:

Provia Vinyl and Insulated Siding must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

- 5.2** Provia Vinyl and Insulated Siding shall be installed over structural sheathing designed and installed to resist required wind design pressures.

- 5.3** Flashing and an approved water-resistive barrier shall be provided in accordance with the code.

- 5.4** Fasteners shall be as specified in Tables 2 and 3.

- 5.4.1** For siding installed horizontally, nails shall be spaced at a maximum of 16 inches along the nail hem with every nail penetrating a minimum of 1-1/4 inches into nailable wood substrate (sheathing and stud).

- 5.4.2** For siding installed vertically, nails shall be spaced at a maximum of 12 inches along the nail hem with each nail penetrating through minimum 7/16-inch wood sheathing.

### 6.0 CONDITIONS OF USE

- 6.1** Installation must comply with this report, the manufacturer's published installation instructions, and the applicable code. In the event of a conflict with manufacturer's instructions, this report shall govern.

- 6.2** Provia Vinyl and Insulated Siding are limited to exterior use in Type V (IBC) construction and construction permitted by the IRC.

- 6.3** Wind design pressures determined from nominal design wind speeds ( $V_{asd}$ ) in accordance with IBC Section 1609 and IRC Section R301.2.1 and shall not exceed the allowable wind loads specified in Table 2.

- 6.4** The Provia Vinyl and Insulated Siding are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

### 7.0 SUPPORTING EVIDENCE

- 7.1** Test data demonstrating compliance with ASTM D3679-21 [-17,-13] for vinyl siding.

- 7.2** Test data demonstrating compliance with ASTM D7793-20 [-17,-13] for insulated vinyl siding.

- 7.3** Compliance with VSI Product Certification Program.

### 8.0 IDENTIFICATION

The product recognized in this report is identified by labeling that includes

- The manufacturer's name (Provia, LLC)
- The product name (Provia Vinyl and Insulated Siding)
- The VSI certification program mark as shown below with the Product Evaluation Report number (PER-0403)
- In close proximity to the mark, the statement: "Certified by Intertek;" followed by the applicable standards and ratings.



CERTIFICATION PROGRAM

**PER-0403**

#### Certified by Intertek:

ASTM D3679 or D7793  
(as applicable)

Std Design Pressure  
Rating: ## PSF (ASD)

VSI-PCP-PER: [June 21, 2021]

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PCA-101

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### 9.0 PRODUCT EVALUATION REPORT USE

- 9.1 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.
- 9.2 Product Evaluation Reports shall not be used in any manner that implies an endorsement of the product by Intertek or VSI.
- 9.3 Reference to the <https://bpdirectory.intertek.com> is recommended to ascertain the current version and status of this report.

### 10.0 OTHER CODES

#### FLORIDA BUILDING CODE

##### 10.1 Scope of Evaluation:

Provia Vinyl and Insulated Siding were evaluated for compliance with the 2020 *Florida Building Code – Building* and the *Florida Building Code – Residential*; excluding High-Velocity Hurricane Zone (HVHZ) provisions.

##### 10.2 Conclusion:

Provia Vinyl and Insulated Siding described in Sections 2.0 through 7.0 of this report, comply with the Florida building codes listed in Section 1.1, for the properties and uses stated in Section 1.2 and 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.

Provia Vinyl Siding conforms to ASTM D3679 in accordance with:

FBC-B Sect. 1404.9  
FBC-R Sect. R703.11

- Compliance with the High-Velocity Hurricane Zone (HVHZ) provisions has not been evaluated.

- Intertek is an approved *evaluation entity and quality assurance entity* pursuant to Florida Statute 553.842 – *Product Evaluation and Approval*.

#### CALIFORNIA BUILDING CODE

##### 10.3 Scope of Evaluation:

Provia Vinyl and Insulated Siding were evaluated for compliance with the 2019 *California Building Code* and the *California Residential Code*; excluding Wildland Urban Interface (WUI) provisions.

##### 10.4 Conclusion:

Provia Vinyl and Insulated Siding described in Sections 2.0 through 7.0 of this report, comply with the California building codes listed in Section 1.1, for the properties and uses stated in Section 1.2 and 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.

Provia Vinyl Siding conforms to ASTM D3679 in accordance with:

CBC Sect. 1403.9  
CRC Sect. R703.11

Provia Insulated Siding conforms to ASTM D7793 in accordance with:

CRC Sect. R703.13

- Compliance with the Wildland Urban Interface (WUI) provisions has not been evaluated.

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TABLE 1 – CODE REFERENCES

SUBJECT	2024 IBC	2021 IBC 2018 IBC	2024 IRC	2021 IRC 2018 IRC	2020 FBC - Building	2020 FBC – Residential	2022 CBC	2022 CRC
Vinyl Siding	1403.8	1403.9	R703.11	R703.11	1404.9	R703.11	1403.9	R703.11
Insulated Vinyl Siding	1403.14	n/a	R703.13	R703.13	n/a	R703.13	n/a	R703.13
Wind Resistance	1404.15	1404.14	R703.3.2	R703.3.2	1405.14	R703.3.1	1404.14	R703.3.2
Installation	1404.15.1	1404.14.1	R703.11.1	R703.11.1	1405.14.1	R703.11.1	1404.14.1	R703.11.1

TABLE 2 – VINYL SIDING WIND LOAD DESIGN PRESSURE (DP) RATING

Brand	Product	Style	Design Pressure Rating <sup>1</sup>	
			DP (PSF)	Fastening
Provia Vinyl	Cedar Peaks 12'	Double 4-1/2	75	1-1/2-inch long, 0.125-inch shank diameter nail with a 7/16-inch head diameter. Spacing shall be 16 inches o.c. for horizontal siding and penetrating framing.
		Double 4-1/2 Dutchlap		
		6-1/2 Beaded	50	
	Cedar Peaks 16'	Double 4-1/2	75	
		Double 4-1/2 Dutchlap		
	HeartTech	Double 4	80	
		Double 4 Dutchlap		
		Double 5		
		Double 5 Dutchlap		
	Traditional	Single 8	50	
	Ultra	Double 4	50	
		Double 4 Dutchlap		
		Double 5 Dutchlap		
	Willowbrook	Double 4	69	
		Double 4-1/2		
		Double 4-1/2 Dutchlap		
Double 4 Dutchlap				
Double 5				
Double 5 Dutchlap				
Double 4-1/2				

1. Design pressure rating is the maximum allowable negative wind load when installed with the fastening specified in the table.

Page 4 of 5

VSI-PCP-PER: [June 21, 2021]

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**TABLE 3 – INSULATED SIDING WIND LOAD DESIGN PRESSURE (DP) RATING**

Brand	Product	Style	Design Pressure Rating <sup>1</sup>	
			DP (PSF)	Fastening
Provia	CedarMAX 12'	Double 6	62	2-inch long, 1/8-inch shank diameter nail with a 7/16-inch head diameter. Spacing shall be 16-inch o.c. for horizontal siding and penetrating wood framing.
	CedarMAX 16'	Single 7	62	
		Double 6	62	
		Triple 4 Dutchlap	62	
	Cedar Peaks	8" Board 'n Batten	78	2-1/2-inch long, 1/8-inch shank diameter nail with a 7/16-inch head diameter. Spacing shall be 12-inch o.c. for vertical siding and penetrating 1/2 inch OSB or plywood sheathing.
	CedarMAX	8" Board 'n Batten	78	

1. Design pressure rating is the maximum allowable negative wind load when installed with the fastening specified in the table.

**TABLE 4 – THERMAL INSULATION VALUES**

Brand	Product	Style	Thermal Insulation Value (R-value)
Provia	CedarMAX 12'	Double 6	2.43
	CedarMAX 16'	Single 7	2.31
		Double 6	2.43
		Triple 4 Dutchlap	2.84
	Cedar Peaks	8" Board 'n Batten	2.21
	CedarMAX	8" Board 'n Batten	2.21