Product Evaluation Report

CERTIFIED BY INTERTEK

PER - 0603

Issue Date: June 28, 2022
Revision Date: September 23, 2024
Renewal Date: July 31, 2025

SUBJECT: Associated Materials Vinyl and Insulated Siding

CSI Section: 07 46 33 Plastic Siding

COMPANY:
Associated Materials LLC
3773 State Road
Cuyahoga Falls, OH 44223
(330) 922-5384

1.0 SCOPE OF EVALUATION

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

- 2021, 2018, 2015, 2012, 2009, 2006 *International Building Code*® (IBC)
- 2021, 2018, 2015, 2012, 2009, 2006 *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)

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

- 2021, 2018, 2015 *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 2021 IBC [IRC]. See Table 1 for correlation with sections for other codes.

1.2 Associated Materials 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

Associated Materials 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.

Associated Materials Vinyl Siding conforms to ASTM D3679 in accordance with:

IBC Sect. 1403.9
IRC Sect. R703.11

Associated Materials Insulated Siding conforms to ASTM D7793 in accordance with:

IRC Sect. R703.13

3.0 DESCRIPTION

Associated Materials 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.

4.0 PERFORMANCE CHARACTERISTICS

4.1 Wind Resistance (Positive Pressure): Associated Materials Vinyl and Insulated Siding are not evaluated for positive wind pressure and must be installed over structural sheathing rated and installed for the required design wind pressure.

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

1800 Diagonal Road, Suite 545
Alexandria, VA 22314
vinylsiding.org

Intertek
545 E. Algonquin Road
Arlington Heights, IL 60005

IAS ACCREDITED Product Certification Agency PCA-101

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 1404.14.1 and IRC Sections R703.3, R703.11 and R703.13.

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

5.0 INSTALLATION

5.1 General:

Associated Materials 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 Associated Materials 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 Associated Materials 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 Tables 2 and 3.

6.4 The Associated Materials 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 D3679-17 [-13,-11,-09,-06a,-04] for vinyl siding.

7.2 Test data demonstrating compliance with ASTM D7793-17 [-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 (Associated Materials, LLC)
- The product name (Associated Materials Vinyl and Insulated Siding)
- The VSI certification program mark as shown below with the Product Evaluation Report number (PER-0603)
- In close proximity to the mark, the statement: "Certified by Intertek;" followed by the applicable standards and ratings.

CERTIFICATION PROGRAM
PER-0603

Certified by Intertek:

ASTM D3679 or D7793

Std Design Pressure Rating: ## PSF (ASD)

R = #.##

1800 Diagonal Road, Suite 545
Alexandria, VA 22314
vinylsiding.org

Intertek
545 E. Algonquin Road
Arlington Heights, IL 60005
PCA-101

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:

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

10.2 Conclusion:

The Associated Materials Vinyl Siding, described in Sections 2.0 through 7.0 of this report, comply with the referenced Florida building codes and the Associated Materials Insulated Siding, described in Sections 2.- through 7.0 of this report comply with the Florida residential codes subject to the following conditions:

- 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:

Associated Materials 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:

The Associated Materials Vinyl Siding, described in Sections 2.0 through 7.0 of this report, comply with the referenced California building codes and the Associated Materials Insulated Siding, described in Sections 2.- through 7.0 of this report comply with the California residential codes subject to the following conditions:

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

1800 Diagonal Road, Suite 545
Alexandria, VA 22314
vinylsiding.org

Intertek
545 E. Algonquin Road
Arlington Heights, IL 60005
PCA-101

Product Evaluation Report

CERTIFIED BY INTERTEK

PER - 0603

Issue Date: June 28, 2022
Revision Date: September 23, 2024
Renewal Date: July 31, 2025

TABLE 1 – CODE REFERENCES

SUBJECT	2021 IBC 2018 IBC 2022 CBC	2015 IBC 2012 IBC 2009 IBC 2020 FBC-B 2023 FBC-B	2006 IBC	2021 IRC 2018 IRC 2022 CRC	2015 IRC 2020 FBC-R 2023 FBC-R	2012 IRC 2009 IRC 2006 IRC
Vinyl Siding	1403.9	1404.9	1404.9	R703.11	R703.11	R703.11
Insulated Vinyl Siding	n/a	n/a	n/a	R703.13	R703.13	n/a
Wind Resistance	1404.14	1405.14	1405.13	R703.3.2	R703.3.1	R703.4
Installation	1404.14.1	1405.14.1	1405.13.1	R703.11.1	R703.11.1	R703.11.1

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

Brand	Product	Style	Design Pressure Rating[1]	
			DP (PSF)	Fastening
Alside	Alliance T4	Triple 4 Vertical	33	1-1/2-inch long, 1/8-inch shank diameter nail with a 7/16-inch head diameter. Spacing shall be 6 inch o.c. for vertical siding and penetrating 1/2 inch OSB or plywood sheathing.
	Board & Batten	Single 7"	67	1-1/2-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.
	Charter Oak Grained	Double 4-1/2 Clapboard	73	1-1/2-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.
		Double 4-1/2 Dutch Lap	73	
	Charter Oak Matte	Double 4-1/2 Clapboard	73	
		Double 4-1/2 Dutch Lap	73	
	Charter Oak Soffit	Triple 3-1/3	33	
	Charter Oak XL	Double 4-1/2 Clapboard	73	
		Double 4-1/2 Dutch Lap	73	
	Charter Oak XL Matte	Double 4-1/2 Clapboard	73	
	Conquest	Double 4-1/2 Clapboard	69	
		Double 4-1/2 Dutch Lap	69	
	Coventry by Alside	Double 4 Clapboard	47	
		Double 4 Dutch Lap	47	
		Double 5 Clapboard	47	
		Double 5 Dutch Lap	47	
	Odyssey Plus	Double 4 Clapboard	60	
		Double 4 Dutch Lap	60	
		Double 5 Clapboard	60	
		Double 5 Dutch Lap	60	
	Williamsport Colonial Beaded	6-1/2 Beaded	55	

1800 Diagonal Road, Suite 545
Alexandria, VA 22314
vinylsiding.org

Intertek
545 E. Algonquin Road
Arlington Heights, IL 60005

PCA-101

Brand	Product	Style	Design Pressure Rating[1]	
			DP (PSF)	Fastening
AMI	Aurora II	Double 4 Clapboard	53	1-1/2-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.
		Double 4-1/2 Dutch Lap	53	
	Concord	Double 4 Clapboard	47	
		Double 5 Dutch Lap	47	
		Double 5	47	
		Double 4 Dutch Lap	47	
	Fair Oaks	Double 4	37	
		Double 4 Dutch Lap	37	
		Double 5	37	
		Double 4 Dutch Lap	37	
	Fairweather Soffit/Vertical	"V" Groove Triple 4"	31	1-1/2-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.
	Oxford Soffit/Vertical 044	"V" Groove Double 5"	44	
	Oxford Soffit/Vertical 10	"V" Groove Double 5"	44	
	Oxford Soffit/Vertical 12	"V" Groove Double 5"	44	
	Sequoia Board & Batten	7 Vertical	78	
	Sequoia Select	Double 4	73	1-1/2-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.
		Double 5 Dutch Lap	73	
		Double 5	73	
		Double 4-1/2 Dutch Lap	73	
	Sequoia Vertical Siding	Soffit/Vertical	47	1-1/2-inch long, 1/8-inch shank diameter nail with a 7/16-inch head diameter. Spacing shall be 10 inch o.c. for vertical siding and penetrating 1/2 inch OSB or plywood sheathing.
	Signature Supreme	Double 4	37	1-1/2-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.
		Double 4 Dutch Lap	37	
		Double 5	37	
		Double 5 Dutch Lap	37	
		Single 8	37	

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

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

Brand	Product	Style	Design Pressure Rating[1]	
			DP (PSF)	Fastening
Alside	Prodigy	Double 5 Dutchlap	67	1-1/2-inch long, 1/8-inch shank diameter nail with a 7/16-inch head diameter. Spacing shall be 16 inches o.c. for horizontal siding and penetrating wood framing.
		Double 6 Clapboard	67	

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

1800 Diagonal Road, Suite 545
Alexandria, VA 22314
vinylsiding.org

Intertek
545 E. Algonquin Road
Arlington Heights, IL 60005

TABLE 4 – THERMAL INSULATION VALUES

Brand	Product	Style	Thermal Insulation Value (R-value)
Alside	Prodigy	Double 5 Dutchlap	3.02
		Double 6 Clapboard	2.63

1800 Diagonal Road, Suite 545
Alexandria, VA 22314
vinylsiding.org

Intertek
545 E. Algonquin Road
Arlington Heights, IL 60005
PCA-101