

HALLMARK BUILDING SUPPLIES, INC. WINDLOAD TEST REPORT

SCOPE OF WORK

ASTM D5206 WINDLOAD TESTING ON LDC-619 INTERLOCKING PANELS, LEVANTE SIDING

REPORT NUMBER

J3219.04-109-40

TEST DATE(S) 06/26/19 - 06/27/19

ISSUE DATE 09/09/19

RECORD RETENTION END DATE 06/27/23

PAGES 10

DOCUMENT CONTROL NUMBER ATI 00500 (07/24/17) RT-R-AMER-Test-2808 © 2017 INTERTEK





130 Derry Court York, Pennsylvania 17406

Telephone: 717-764-7700 Facsimile: 717-764-4129 www.intertek.com/building

TEST REPORT FOR HALLMARK BUILDING SUPPLIES, INC.

Report No.: J3219.04-109-40 Date: 09/09/19

REPORT ISSUED TO

HALLMARK BUILDING SUPPLIES, INC. 2120 Pewaukee Road, Suite 100 Waukesha, Wisconsin 53188

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Hallmark Building Supplies, Inc. to perform windload testing in accordance with ASTM D5206 on their LDC-619 Interlocking Panels, Levante Siding. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2

SUMMARY OF TEST RESULTS

Product Type: Siding Series/Model: LDC-619 Interlocking Panels, Levante

Average Maximum Sustained Negative Pressure:	125.0 psf
Average Ultimate Negative Test Pressure:	130.0 psf

For INTERTEK B&C:

	•		
COMPLETED BY:	John A. Shanabrook	REVIEWED BY:	Timothy J. McGill
	Technician —		Manager –
TITLE:	Product Testing	TITLE:	Product Testing
SIGNATURE:		SIGNATURE:	
DATE:	09/09/19	DATE:	09/09/19
JAS:wnl			

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



TEST REPORT FOR HALLMARK BUILDING SUPPLIES, INC.

Report No.: J3219.04-109-40 Date: 09/09/19

SECTION 3 TEST METHOD(S)

The specimen was evaluated in accordance with the following:

ASTM D5206-13, Standard Test Method for Windload Resistance of Rigid Plastic Siding

SECTION 4

MATERIAL SOURCE/INSTALLATION

The specimens were selected by Intertek B&C personnel. The specimens were witnessed during production and tagged prior to shipment on 04/01/19, (Reference Intertek B&C Test Specimen Selection Report No. J3219.02-103-15, dated 04/01/19). Representative samples of the test specimens will be retained by Intertek B&C for a minimum of four years from the test completion date.

The specimen was installed into test buck measuring 4' 1-1/2" wide by 6' high constructed of #2 Spruce-Pine-Fir nominal 2x4 lumber. Two studs were spaced 16" on center (three spans) and were attached to the top and bottom plates with 3" long drywall screws. The right center stud was reinforced with an additional nominal 2x4 stud sistered into place per client request. A sheet of nominal 1/2" thick OSB, with five 4" diameter holes to allow pressure to transfer to the siding, was secured to the studs with #8 x 1-5/8" drywall screws. Silicone was utilized on the backside of the test panel to seal the perimeter. A 2-mil thick plastic film was loosely draped over the interior of the siding to enable attainment of pressure.

The siding was mounted with #8 x 1-5/8" lath self-tapping screws, spaced 16" on center through the sheathing and into the studs.

SECTION 5

EQUIPMENT

Tape Measure Verification: 63788 Control Panel: 005406 Weather Station: 63316

SECTION 6

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Michael Hoium	Hallmark Building Supplies, Inc.
Timothy J. McGill	Intertek B&C
John A. Shanabrook	Intertek B&C



TEST REPORT FOR HALLMARK BUILDING SUPPLIES, INC.

Report No.: J3219.04-109-40 Date: 09/09/19

SECTION 7

TEST SPECIMEN DESCRIPTION

MANUFACTURER	Levanté, LLC	
SERIES/MODEL	LDC-619 Interlocking Panels, Levante	
PRODUCT TYPE	Aluminum siding	
MATERIAL TYPE	Aluminum	
NOMINAL THICKNESS	0.071"	
MEASURED THICKNESS	0.079"	
NAIL HEM TYPE	Flat	
NAIL HEM THICKNESS	0.075"	
EXTERIOR FINISH	Flat	

Each specimen consisted of four horizontal courses of siding with a male interlock on the bottom and a female interlock on the top. An aluminum starter strip was utilized the length of the bottom plate. A vertical transition strip was installed in the second and third courses over the sistered stud.

SECTION 8

TEST RESULTS

The temperature during testing was 29°C - 31°C (85°F - 87°F). The results are tabulated as follows:

General Note: All loads were negative pressure and were held for thirty seconds. A 5.0 psf preload was applied before running specimens to failure.

rest specificit #1.		
PRESSURE	RESULTS	
10.0 psf to 125.0 psf	No damage	
130.0 psf	Testing stopped due to the wall design	

Test Specimen #1:

Test Specimen #2:

PRESSURE	RESULTS	
10.0 psf to 125.0 psf	No damage	
130.0 psf	Testing stopped due to the wall design	



TEST REPORT FOR HALLMARK BUILDING SUPPLIES, INC.

Report No.: J3219.04-109-40 Date: 09/09/19

Test Specimen #3:

PRESSURE	RESULTS
10.0 psf to 125.0 psf	No damage
130.0 psf	Testing stopped due to the wall design

SECTION 9

CONCLUSION

The specimens tested successfully achieved an Average Maximum Sustained Negative Pressure of 125.0 psf and an Average Ultimate Negative Test Pressure of 130.0 psf.

Testing was stopped due to pressure limits on the testing buck being reached.



TEST REPORT FOR HALLMARK BUILDING SUPPLIES, INC.

Report No.: J3219.04-109-40 Date: 09/09/19

SECTION 10

PHOTOGRAPHS



Photo No. 1 Specimen #1 Prior to Testing



Photo No. 2 Specimen #2 Prior to Testing



130 Derry Court York, Pennsylvania 17406

Telephone: 717-764-7700 Facsimile: 717-764-4129 www.intertek.com/building

TEST REPORT FOR HALLMARK BUILDING SUPPLIES, INC.

Report No.: J3219.04-109-40 Date: 09/09/19



Photo No. 3 Specimen #3 Prior to Testing



TEST REPORT FOR HALLMARK BUILDING SUPPLIES, INC.

Report No.: J3219.04-109-40 Date: 09/09/19

SECTION 11

DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimens reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.





TEST REPORT FOR HALLMARK BUILDING SUPPLIES, INC.

Report No.: J3219.04-109-40 Date: 09/09/19

SECTION 12

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	09/09/19	N/A	Original Report Issue