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BASILICATO NORTH AMERICA
TEST REPORT

SCOPE OF WORK
WIND DRIVEN RAIN RESISTANCE TESTING OF WALLABA HARDWOOD SHINGLES

REPORT NUMBER
M0287.01-450-18 R0

TEST DATE
04/19/21

ISSUE DATE
08/25/21

PAGES
12

RECORD RETENTION END DATE
04/19/31

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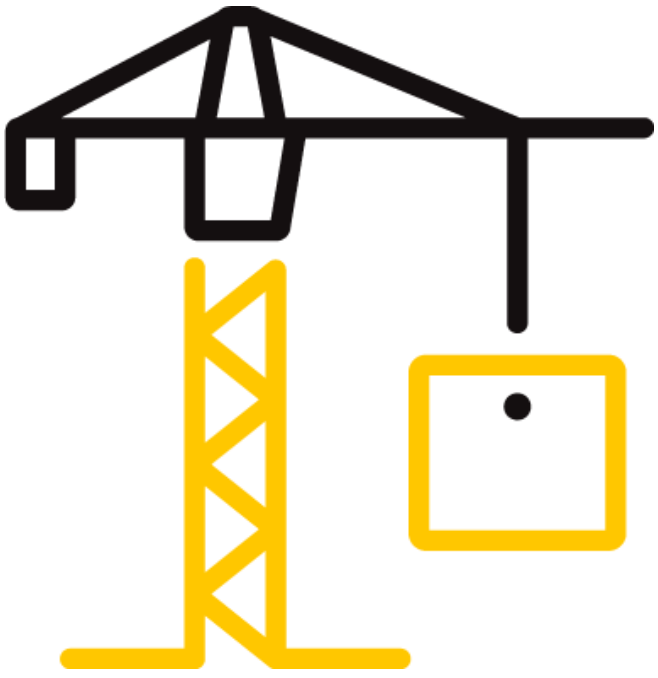

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TEST REPORT FOR BASILICATO NORTH AMERICA
Report No.: M0287.01-450-18 R0
Date: 08/25/21

REPORT ISSUED TO

BASILICATO NORTH AMERICA
1001 S Myrtle Ave, Suite 2
Clearwater, FL 33756

SECTION 1

SCOPE

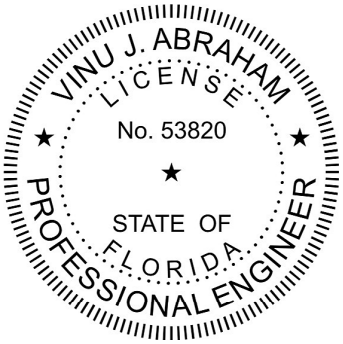
Architectural Testing, Inc. (an Intertek company), dba Intertek Building & Construction (B&C) was contracted by Basilicato North America to perform testing in accordance with TAS 100-95, *Test Procedure for Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems*, on their Wallaba Hardwood Shingles Results obtained are tested values and were secured by using the designated test method. Testing was conducted at Intertek test facility in West Palm Beach, Florida.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends ten years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period. Unless differently required, Intertek reports apply the "Simple Acceptance" rule, also called “Shared Risk approach,” of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

SECTION 2

SUMMARY OF TEST RESULTS

Product Type: Hardwood Shingles
Series/Model: Wallaba
Test Results: PASS



For INTERTEK B&C:

COMPLETED BY:	Melissa Nuttall	**REVIEWED BY:**	Vinu J. Abraham, P.E.
TITLE:	Technician Team Leader-Product	**TITLE:**	Vice President – Products
SIGNATURE:	Digitally Signed by: Melissa Nuttall	**SIGNATURE:**	Digitally Signed by: Vinu Abraham
DATE:	08/25/21	**DATE:**	08/25/21

mmn:sar

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SECTION 3
TEST METHOD(S)

The specimen was evaluated in accordance with the following:

> **TAS 100-95,** *Test Procedure for Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems*

SECTION 4
CALIBRATION

Windstream, water supply, and water distribution calibration were performed prior to testing.

SECTION 5
MATERIAL SOURCE/INSTALLATION

Test specimen was provided by the client. Representative samples of the test specimen will be retained by Intertek B&C for a minimum of ten years from the test completion date. Installation of the tested product was performed by representatives of Basilicato North America.

SECTION 6
EQUIPMENT

Wind Generator: "WOLF" engine driven propeller

SECTION 7
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Veron Wickham	Intertek B&C
Vinu Abraham, P.E.	Intertek B&C

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SECTION 8
TEST PROCEDURE

This test evaluates whether a discontinuous roof system provides sufficient wind driven rain resistance to allow no water infiltration through the deck sheathing during a predetermined test period. One assembly was tested per TAS 100 at the wind speed intervals indicated below. (Reference Chart No. 1 for wind speed and duration.)

Interval No.	Wind Speed (mph)	Time (min)	Water Spray
1	35	15	On
2	0	10	Off
3	70	15	On
4	0	10	Off
5	90	15	On
6	0	10	Off
7	110	5	On
8	0	10	Off

Chart No. 1
TAS 100 Wind Speed Intervals

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SECTION 9
TEST SPECIMEN DESCRIPTION

Product Type: Hardwood Shingles
Series/Model: Wallaba
Overall Size: 8' 0" wide by 10' 0" long (with valley condition)
Roof Slope: 2:12
General Description: The 2:12 slope roof system test assembly incorporated a valley, eave, and one rake condition. The test deck consisted 2x10 perimeter joists and 2x10 intermediate joists, spaced 24" on center. The valley condition was constructed into the test deck and located at the deck's front edge.
Roof System:

COMPONENTS	DETAILS	ATTACHMENT METHOD
DensDeck	A single layer of 1/4" thick panels was used.	Each panel was secured with one 1-3/4" long 5d ring shank nail per corner.
30# Asphalt saturated organic felt paper	A single layer was used with a 6" overlap between adjacent sheets.	The felt was secured with 0.120" x 1-1/4" galvanized annular ring shank roofing nails with 32 Ga tin caps spaced 6" on center at the perimeter and overlaps, with two intermediate rows spaced 12" on center.
Drip edge	The 3"W x 3"H drip edge was constructed from 16oz copper.	The drip edge was used along the entire perimeter of the deck and secured with 0.120" x 1-1/4" galvanized annular ring shank roofing nails spaced 6" on center.
Valley	The 20" wide valley was constructed from 16oz copper.	The valley was secured with 2" long clips constructed from 16oz copper and spaced 12" on center. Each clip was secured with 0.120" x 1-1/4" galvanized annular ring shank roofing nails.
Shingles	The shingles are made from Wallaba wood and measure 18" long, 1/16" at the tip, 7/16" at the butt and 3" to 9" in width.	A starter course was used on the windward side of the deck. The shingles projected 1-1/2" beyond the drip edge on all sides. Each shingle was secured with two 1-3/4" long 5d ring shank nails. The nails were located 3/4 inch to 1 inch from the edge of the shingle, and 1-1/2 inches to 2 inches above the butt line of the next course. The shingles were positioned so that they cover the joints in the preceding course and had a 5.5" exposure length.

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SECTION 10
TEST RESULTS

The temperature during testing was 86°F. The results are tabulated as follows.

WIND SPEED	OBSERVATIONS
35 mph	No water leakage
70 mph	No water leakage
90 mph	No water leakage
110 mph	No water leakage

Notes:
Reference Chart No. 1 for test pressures and load durations.

SECTION 11
CONCLUSION

The product tested per TAS 100-95 met the requirements of Section 1523.6.5 of the Florida Building Code – Building, 6th Edition (2017).

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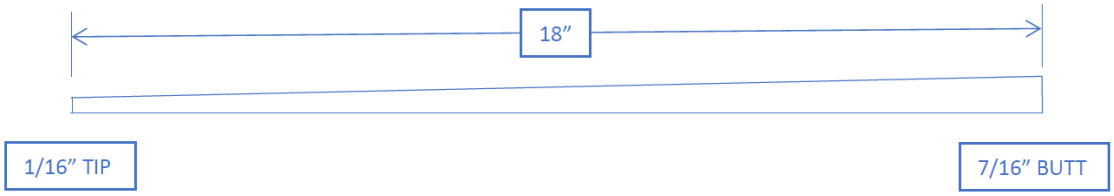
SECTION 12
DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) 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.



Drawing No. 1
Shingle Profile

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SECTION 14
PHOTOGRAPHS

Photo No. 1
35 MPH Exterior

Photo No. 2
35 MPH Interior

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Photo No. 3
70 MPH Exterior

Photo No. 4
70 MPH Interior

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Photo No. 5
90 MPH Exterior

Photo No. 6
90 MPH Interior

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Photo No. 7
110 MPH Exterior

Photo No. 8
110 MPH Interior

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SECTION 15

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	08/25/21	N/A	Original Report Issue