



BUILDING DROPS

A Perfect Solution in Every Drop!

Certificate of Authorization: 29578

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Product Evaluation Report

of

**Derby Building Products Inc.
Novik & Tando Polymer Siding**

for

Florida Product Approval

FL# FL14428

Report No. 6049

6th Edition (2017) Florida Building Code

Method:	1-D (Engineering Evaluation)
Category:	Panel Walls
Sub – Category:	Siding
Product:	<i>Various, See Table A.1 on sheet 3</i>
Material:	Polypropylene
Product Dimensions:	<i>See Table A.1 on Sheet 3</i>

Prepared For:

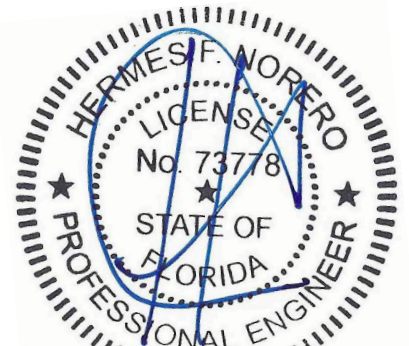
**Derby Building Products Inc.
160 Grands-Lacs Street
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Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 12/10/2018

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Florida No. 73778



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Date: 12/10/2018

Report No: 6049

Manufacturer: Derby Building Products Inc.

Product Category: Panel Walls

Product Sub-Category: Siding

Compliance Method: State Product Approval Method 1D

Product Name: Various, See Table on sheet 3

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Derby Building Products Inc.** based on Method 1d of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the 6th Edition (2017) Florida Building Code.

See Installation Instructions reviewed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code, excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. Site conditions that deviate from the details of drawing or those described herein require further engineering analysis by a licensed engineer or registered architect.
4. See Design Pressure Table A.1 on Sheet 3 of this document for size and design pressure limitations.

Quality Assurance: The manufacturer has demonstrated compliance of manufacturing siding products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Intertek Testing Services NA Inc. – ETL/Warnock Hersey** (FBC Organization #: QUA1673).

Performance Standards:

- ASTM D7254-07
- ASTM E84-09
- Chapter 14 of the 6th Edition FBC, **Polypropylene Siding**
- ICC ES AC366 – Polypropylene Siding Systems

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Design Pressure & Ratings:

Design negative wind pressures were calculated per Annex A1 of ASTM D 7254-07

DP=Pt / (0.36 x 1.5)

Table A.1: Qualified Product Summary

Siding Name	Panel Configuration/Description	Nominal Panel Dimensions (in.)	Typical Thickness (in.)	Allowable Pressure (psf)
				Nails
				16" O.C.
NovikShake™ HS	HAND-SPLIT SHAKE	48.38 x 18.75	0.09	33.00
NovikShake™ RS	ROUGH SAWN SHAKE	48.75 x 14.5	0.085	33.00
NovikShake™ SE	STAGGERED EDGE SHAKE	51.13 x 8.5	0.085	46.30
Portsmouth Cedar Shake D7	Portsmouth Cedar Shake	53.85 x 16.25	0.09	33.00
NovikShake™ PS	PERFECT SHAKE	74.25 x 15	0.085	33.00
NovikStone™ SK	STACKED STONE	45 x 20.25	0.09	33.00
NovikPlank™ D6	DOUBLE 6" PLANK	99 x 13.5	0.095	46.30
NovikPlank™ S8 or TandoShake™ Beveled 8	SINGLE 8" PLANK	98 x 9.75	0.095	46.30
NovikShake™ RS8 or TandoShake™ Rustic Cedar 6	ROUGH SAWN 8' SHAKE	96.5 x 8.5	0.085	46.30
NovikStone™ RR or TandoStone™ Stream Stone	RIVER ROCK	50 x 19.13	0.125	33.00
NovikStone™ FS or TandoStone™ Bank Stone	FIELDSTONE	50 x 19.13	0.125	33.00
NovikStone™ DS or TandoStone™ Flat Stone	DRY STACK STONE	41.5 x 13.13	0.11	46.30
NovikShake™ HR	HALF-ROUND	32 x 10	0.085	33.00
Portsmouth 8 foot S7	Portsmouth Cedar Shake	92.75 x 8.75	0.085	46.30
NovikBrick™ HL	HAND-LAID BRICK	48 x 18.5	0.09	33.00
NovikBrick™ DHL	DECO HAND-LAID BRICK	48 x 18.5	0.09	33.00
NovikStone™ HC	HAND-CUT STONE	48 x 18.5	0.09	33.00
NovikStone™ PHC or TandoStone™ Hand-Cut Stone	PREMIUM HAND-CUT STONE	48 x 18.5	0.1	33.00
TandoShake™ Beach House Shake™	BEACH HOUSE SHAKE	46.88 x 16.5	0.080	33.00
TandoShake™ Cape Cod Perfection	Cape Cod Perfection	46.88 x 16.5	0.080	33.00
NovikShake™ NP	Northern Perfection	46.88 x 16.5	0.080	33.00

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Installation:

1. Approved anchor types and substrates are as follows:
 - a. Use **non-corrosive nails or screws** with minimum head diameter of 0.4 in. (10 mm) and minimum shank diameter of 0.148 in. (3.8 mm) anchored into supporting wood framing members (min. S.G. = 0.55). An edge distance of 1/2" shall be maintained with a minimum of 1 1/4" embedment into wood supporting member. Nail capacities have been developed in accordance with the current National Design Specification for Wood Construction (NDS).
2. Nail pattern for installation of siding panels shall not exceed 16" maximum O.C.

Refer to Installation Instructions for more details of the installation requirements.

Referenced Data:

1. Product Testing performed by **Intertek Testing Services Ltd.**
(FBC Organization # TST1509)
Report #: 3180745TOR-002b, Report Date: 05/20/12
Report #: 101817859COQ-002R3, Report Date: 11/20/14
Report #: 101817859COQ-005.1, Report Date: 02/18/15
Report #: 101817859COQ-005.2, Report Date: 04/13/15
Report #: 101817859COQ-005.3, Report Date: 04/13/15
2. Quality Assurance
Intertek Testing Services NA Inc. – ETL/Warnock Hersey.
(FBC Organization #: QUA1673)
3. Installation Guides

DIV0219C, DIV0228B, DIV0284A, DIV3009A, DIV3010A, DIV3021A, DIV5068D,
DIV5110F, DIV5129A, DIV5195H, DIV5207F, DIV5211G, DIV5212D, DIV5217D,
DIV5218C, DIV5220E, DIV5276C, DIV5277C, DIV5283C, DIV5286B, DIV5299A

Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. The manufacturer has tested their products to the following test standard edition(s):

- 1) ASTM E84-09

Chapter 35 of the current Florida Building Code references the following editions of the above-mentioned test standards:

- 1) ASTM E84-13A

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance with all referenced standards. All referenced standards have been found to be equivalent.

Hermes F. Norero, P.E.

Florida No. 73778

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