



BUILDING DROPS

A Perfect Solution in Every Drop!

Certificate of Authorization: 29578

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Product Evaluation Report Of

The Tapco Group 7.5" Grayne Rigid PVC Composite

for

Florida Product Approval

FL# FL20403

Report No. 5246

6th Edition (2017) Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Panel Walls
Sub – Category:	Siding
Product:	Grayne Vinyl Siding
Material:	Rigid PVC Composite
Product Dimensions:	7.5" Coverage

Prepared For:

The Tapco Group
200 Shotwell Drive
Franklin, Ohio 45005

Prepared by:

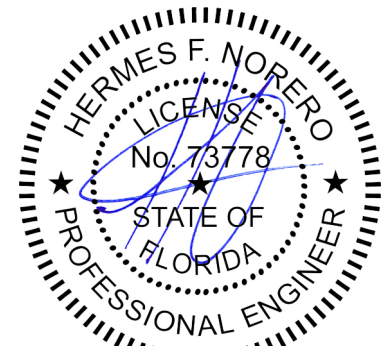
Hermes F. Norero, P.E.

Florida Professional Engineer # 73778

Date: 10/18/17

Contents:

Evaluation Report Pages 1 – 4



Hermes F. Norero, P.E.
Florida No. 73778



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Manufacturer:	The Tapco Group
Product Category:	Panel Walls
Product Sub-Category:	Siding
Compliance Method:	State Product Approval Method (1)(d)
Product Name:	Grayne Rigid PVC Composite 7.5" Coverage

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **The Tapco Group** based on Method 1d of the State of Florida Product Approval, 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 **TTG025**, signed and sealed 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 **TTG025** require further engineering analysis by a licensed engineer or registered architect.
4. See Installation Instructions **TTG025** for size and design pressure limitations.



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Quality Assurance: The manufacturer has demonstrated compliance of siding products in Accordance with the Florida Building Code and State Rule for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Architectural Testing, Inc.** (FBC Organization #: QUA 1844)

Performance Standards: The product described herein has been tested per:

- TAS 202
- TAS 203
- ASTM D 3679-11

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc.**
(FBC Organization # TST1558)
Report #: E8771.01-106-18, Report Date: 03/07/16
Report #: E8771.02-109-18, Report Date: 09/14/15
2. Quality Assurance
Architectural Testing, Inc.
(FBC Organization # QUA1844)

Equivalence of Test Standard Editions:

Various test standard(s) 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 6th Edition Florida Building Code. **The Tapco Group** has tested their products to the following test standard edition(s):

1. ASTM D3679-09

The 6th Edition (2017) Florida Building Code references the following editions of the above mentioned test standards:

1. ASTM D3679-11

After review of the above mentioned referenced standards and editions, it has been found that no significant technical changes have been made to the test standards that would affect the results. All referenced standards have been found to be equivalent. All materials test results meet minimum requirements of the 6TH Edition (2017) Florida Building Code.

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Page 3 of 4



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Installation: 1. Approved anchor types and substrates are as follows:

- A. Use **1-1/2" long galvanized roofing nails with a 3/8" diameter nail head and a 1/8" diameter shank** anchored 8" Max. O.C. into minimum 1/2" plywood sheathing (min. S.G. = 0.55) per current FBC.

Refer to Installation Instructions (**TTG025**) for further installation details, anchor spacing, and limitations of use.

Design Pressure: Design negative wind pressures were calculated per **Miami-Dade Vinyl Siding & Soffit Approval Checklist**

$$DP = (Pt \times 2) / 1.5$$

$$DP = 73 \text{ PSF}$$

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Page 4 of 4