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Product Evaluation Report

of

Westlake Royal Building Products
RST3NS and RST3NSHV Vinyl Soffit Products
(HVHZ)

for

Florida Product Approval

FL# FL15518

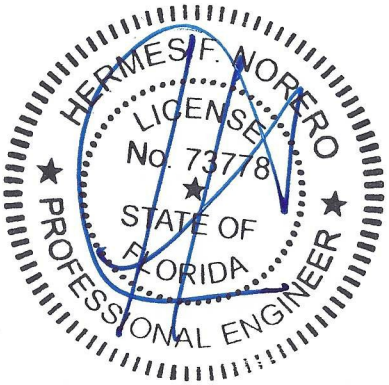
Report No. 8191

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Panel Walls**
Sub – Category:	**Soffit**
Product:	**RST3NS and RST3NSHV Vinyl Soffit Products**
Materials:	**Vinyl**
Product Dimensions:	**See Installation Instructions, WLR003**

Prepared for:
Westlake Royal Building Products
91 Royal Group Crescent
Woodbridge, Ontario L4H 1X9, Canada

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 09/22/2022



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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.10.19 16:23:21 -04'00'

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

Manufacturer: **Westlake Royal Building Products**

Product Category: Panel Walls

Product Sub-Category: Soffit

Compliance Method: State Product Approval Method (1)(d)

Product Name: **RST3NS Vinyl Soffit – Solid**
RST3NSHV Vinyl Soffit – Vented (HVHZ)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Westlake Royal Building Products** 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 current Florida Building Code.

See Installation Instructions **WLR003**, 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 current Florida Building Code, **including** 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. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does not require** an impact resistant covering when installed over wall construction complying with FBC Section 1626.4.
4. Site conditions that deviate from the details of installation instructions **WLR003** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **WLR003** for size and design pressure limitations.

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Quality Assurance:

The manufacturer has demonstrated compliance of manufacture of products in accordance with the current Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Architectural Testing, Inc., an Intertek Company** (FBC Organization # QUA1844).

Performance Standards:

The product described herein has been tested per:

- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc. (an Intertek company) - York, PA** (FBC Organization # TST1558)
   Report #: D1218.01-109-18, Report Date: 01/09/14
   TAS report signed and sealed by Michael D. Stremmel, Florida PE #65868

   Report #: A4167.01-106-18, Report Date: 01/13/11
   - ASTM D2843
     Average Smoke Density: 69.3
   - ASTM E84
     Smoked developed index: 90
     Flame spread index: 0

   Report #: A0417.02-106-18, Report Date: 11/08/12
   - ASTM G155
     Xenon arc light exposure: +9.1% <= 10% allowed tensile strength difference post 4500-hour exposure
   - ASTM D638
     Tensile strength before exposure: 6584.8 psi
     Tensile strength after exposure: 7183.6 psi
   - ASTM D1929
     Self-ignition temperature: 860°F
   - ASTM D635
     Rate of burning: CC1

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Installation:

Refer to Installation Instructions (**WLR002**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**WLR002**) for design pressures based on size, configuration, and installation.

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954.744.4738
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