



R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Registry License No. 9813

Product Evaluation Report

Report No.: **FL-21138.7**

Date: **August 21, 2023**

| Product Category | Sub Category | Manufacturer | Product Name |
|------------------|-----------------------------------|--|--|
| Exterior Doors | Swinging Exterior Door Assemblies | Therma Tru Corporation 118 Industrial Drive Edgerton, OH 43517 Phone 419.298.1740 | Fiber-Classic & Smooth-Star Wood Edge Glazed Fiberglass Single Door Inswing/Outswing "Impact" |

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. for Therma Tru Corporation based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Department of Business & Professional Regulation.

RW Building Consultants and Lyndon F. Schmidt, P.E. do 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.

Limitations:

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of drawing FL-21138.7 require further engineering analysis by a licensed engineer or registered architect.
- Fiber-Classic & Smooth-Star Door panels require the use of "J" part numbers and must be stained or painted within six months of installation
- See drawing FL-21138.7 for size and design pressure limitations.

Supporting Documents:

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| 1. Test Report No. TEL 01460274 TEL 06-0718-1 TEL 01460440A TEL 01460130 TEL 01461612 | Test Standard ASTM E1886/1996-05 & ASTM E330-02 ASTM E330-02, E331-00 ASTM E1886/1996-02 ASTM E1886-05/1996-06 & ASTM E330-02 ASTM E330-02, E331-00 ASTM E1886/1996-02 ASTM E1886-05/1996-09 & ASTM E330-02 | Testing Laboratory Testing Evaluation Lab.,Inc. Testing Evaluation Lab.,Inc. Testing Evaluation Lab.,Inc. Testing Evaluation Lab.,Inc. Testing Evaluation Lab.,Inc. | Signed by V.K. Wright V.K. Wright V.K. Wright V.K. Wright V.K. Wright |
| 2. Miami Dade NOA 20-0915.22 23-0713.18 | Materials Testing Trosifol PVB® Interlayer (Kuraray America) Saflex PVB® Interlayer (Eastman Chemical Company) | | |
| 3. Drawing No. No. FL-21138.7 | Prepared by RW Building Consultants, Inc. (#9813) | | Signed & Sealed by Lyndon F. Schmidt, P.E. |
| 4. Calculations Anchoring ASTM E 1300 Glass Load | Prepared by RW Building Consultants, Inc. (#9813) RW Building Consultants, Inc. (#9813) | | Signed & Sealed by Lyndon F. Schmidt, P.E. |
| 5. Quality Assurance Certificate of Participation issued by National Accreditation and Management Institute, certifying that Therma Tru Corporation is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53. | | | |

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
 This item has been digitally signed and sealed by L. F. Schmidt on 8-22-23.
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA