

Product Evaluation Report

Report No.: FL-10975.1 R2

Date: March 14, 2011

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Therma Tru Corporation 118 Industrial Dr. Edgerton, OH 43517 Phone 419.298.1740	Smooth Star, Fiber Classic, Classic Craft & Classic Craft Rustic Fiberglass Glazed Door Inswing / Outswing "Impact"

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) for Therma Tru Corporation based on Rule Chapter No. 9B-72.070, Method 1d of the State of Florida Product Approval, Department of Community Affairs-Florida Building Commission.

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:

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product complies with Section 1609.1.2 of the 2007 FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of drawing FL-10975.1 require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using coastal outswing item #31 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configurations using item #18, #14, #15, #16, #34 and item #37 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
9. See drawing FL-10975.1 for size and design pressure limitations.

Supporting Documents:

- | | | | |
|--|--|---|--|
| 1. Test Report No.
TEL 01460030
15427-107362
ATI 67508.01-106-18 | Test Standard
TAS 201-94, 202-94 & TAS 203-94
ASTM E84-00a
ASTM D1929-96(2000)e1 | Testing Laboratory
Testing Evaluation Lab., Inc.
Omega Point Laboratories
Architectural Testing, Inc. | Signed by
Wendell W. Haney, P.E.
William E. Fitch, P.E.
Joseph A. Reed, P.E. |
| 2. Miami-Dade NOA
06-0406.11
08-0206.01 | Materials
Fiberglass door skins by Therma Tru
Saflex Interlayer by Solutia | | |
| 3. Drawing No.
No. FL-10975.1 | Prepared by
RW Building Consultants, Inc. (CA #9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 4. Calculations
Anchoring
ASTM E1300 Glass Load | Prepared by
RW Building Consultants, Inc. (CA #9813)
Lyndon F. Schmidt, P.E. | | 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, P.E.
FL PE No. 43409
3/15/2011