

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Certificate of Authorization No. 9813

Product Evaluation Report

Report No.: FL-7640.10 R2

Date: June 11, 2009

Product Category: Exterior Doors

Product sub-category: Swinging Exterior Door Assemblies

Product Name: Smooth Star, Fiber Classic, Classic Craft & Classic Craft Rustic
Glazed Fiberglass Door
Inswing / Outswing
"Impact"

Manufacturer: Therma Tru Corporation
118 Industrial Dr.
Edgerton, OH 43517
Phone 419.298.1740

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.


This product has been evaluated for use in locations adhering to the Florida Building Code (2007 Edition)

See Drawing No. FL-7640.10 prepared by R W Building Consultants, Inc. and signed and sealed by Lyndon F. Schmidt, P.E. (FL # 43409) for specific use parameters.

Lyndon F. Schmidt, P.E.
FL No. 43409
June 11, 2009

Limitations

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements excluding 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 areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of drawing FL-7640.10 require further engineering analysis by a licensed engineer or registered architect.
6. See drawing FL-7640.10 for size and design pressure limitations.



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Supporting Documents

A Drawing

1. Drawing No. FL-7640.10 prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), signed and sealed by Lyndon F. Schmidt, P.E.

B Tests

1. Materials (Solutia Interlayer) approval number NOA 08-0206.01 issued by Miami-Dade BCCO.
2. Testing per ANSI/AAMA/NWWDA 101/I.S.2/A440-05 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL 06-0718-1, signed by Wendell W. Haney, P.E.
3. Testing per ASTM E1996/1886-02 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL 06-0718-1, signed by Wendell W. Haney, P.E.
4. Testing per ANSI/AAMA/NWWDA 101/I.S.2/A440-05 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL 01460130, signed by Lyndon F. Schmidt, P.E.
5. Testing per ASTM E1996/1886-02 as performed by Testing Evaluation Laboratories, Inc. and reported in test report TEL 01460130, signed by Lyndon F. Schmidt, P.E.

C Calculations

1. Product anchoring for tested specimens is in accordance with manufacturer's published recommendations as substantiated by tested specimens reported in test report TEL 06-0718-1 and TEL 01460130. Additional product anchor analysis for loading conditions prepared, signed and sealed by Lyndon F. Schmidt, P.E.
2. Buck anchor analysis for loading conditions prepared, signed and sealed by Lyndon F. Schmidt, P.E.

D Other

1. 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.



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