

Equivalency Evaluation Report

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Product Manufacturer

Real Woods Inc.
1230 N. East Ave.
Sarasota, FL 34237

Product Name, Model and/or Description

1 3/4" IS & OS Glazed/Opaque Single Impact Door With & W/O
Sidelites (RW0060)
1 3/4" IS & OS Glazed/Opaque Double Impact Door With & W/O
Sidelites (RW0068)

Code: Current Edition of the Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.015(4)(d) – Equivalency of Standards

Performance Testing Standards Summary:

Testing was conducted to the following standard(s).

- ASTM E283-99 & 04, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
- ASTM E330-02, Standard Test Method for Structural Performance of Exterior windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
- ASTM E331-00, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
- ASTM E1886-02, Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by missile(s) and Exposed to Cyclic Pressure Differentials.
- ASTM E1996-02, Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.
- TAS201-94, Impact Test Procedures.
- TAS202-94, Criteria for Testing Impact & Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure.
- TAS203-94 Criteria for Testing Products Subjected to Cyclic Wind Pressure Loading.

Product Testing, Materials and Certification:

- Testing Evaluation Laboratories, Inc., 2002 Wood Court, Plant City, FL. 33563
 - Test Report No. TEL #2004-08-30-020, dated 8/30/04, signed and sealed by Wendell W. Haney, P.E., testing conducted to TAS 202-94, ASTM E330-02, ASTM E1886-02 and ASTM E1996-02.
 - Test Report No. TEL #06-0418-1, dated 11/30/07, signed and sealed by Wendell W. Haney, P.E., testing conducted to TAS 202-94, ASTM E283-99, ASTM E330-02, ASTM E1886-02 and ASTM E1996-02.
 - Test Report No. TEL #05-1008-3-A, dated 11/15/07, signed and sealed by Wendell W. Haney, P.E., testing conducted to TAS 202-94, ASTM E330-02, ASTM E1886-02 and ASTM E1996-02.
- National Certified Testing Laboratories, 8350 Parkline BLVD., Orlando, FL. 32809
 - Test Report No. NCTL-210-3581-1, dated 2/11/09, signed and sealed by Gerard J. Ferrara, P.E. 3/4/09, testing conducted to TAS201-94, TAS202-94 and TAS203-94; ASTM E283-04 and ASTM E331-00.



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Performance Testing Equivalency Evaluation per Product Approval Rule 61G20-3.015(4)(d):

The table below equates performance testing standard revision levels and compares them to the revision level in the current edition of the Florida Building Code, Building and Residential Volumes.

Standard Used in Testing	Standard as Listed in Current FBC
TAS 201-1994	TAS 201-1994
TAS 202-1994	TAS 202-1994
TAS 203-1994	TAS 203-1994

Based upon my review of the test reports, test methods and results as well as the standards used in testing and those currently required in the Florida Building, Residential Code and HVHZ Testing Protocols, the following is concluded.

- The testing requirements in the current edition of the Florida Building Code – Testing Protocols TAS 201, TAS 202 and TAS 203 have been met.
- Note that this product approval does not seek conformance for the HVHZ. HVHZ testing used for conformance outside the HVHZ.

Performance Testing Standard	Test Standard Revision Level used in testing	Current Edition of the Florida Building Code Test Standard Revision Level
ASTM E-283	99 & 04	04 & 04 (2012)
ASTM E-330	02	02 & 14
ASTM E-331	00	00 (2009)
ASTM E-1886	02	02 & 12
ASTM E-1996	02	02 & 12a

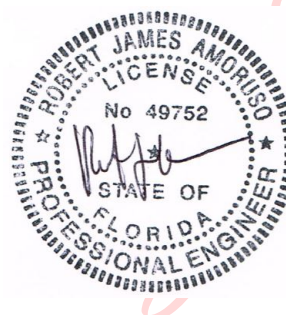
Based upon my review of the test reports, test methods and results as well as the standards used in testing and those currently required in the Florida Building, Residential Code and HVHZ Testing Protocols, the following is concluded.

- The testing requirements in the current edition of the Florida Building Code have been met.

Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



Digitally signed
by Robert J
Amoruso
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Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

