Miami-Dade County, Florida
DEPARTMENT OF REGULATORY AND ECONMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISON
PRODUCT CONTROL SECTION
11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

Laboratory Certificate

MIAMI-DADE COUNTY APPROVED

This certifies that Quast Consulting & Testing, Inc. located at 1055 Indianhead Dr., Wassau, WI 54455 is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS301-94, and is Certified to perform the following tests:

TAS100(A)
TAS201 (Exclude CBS Block Testing)
TAS202 (Exclude CBS Block Testing)
TAS203 (Exclude CBS Block Testing)
ASTM E1886
ASTM E1996
ASTM E2068
IAS Accreditation Report No.TL-358

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Regulatory and Economic Resources per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

Brian M. Sasman, P.E.

This Certification and Registration Approved: **December 27, 2018**
This Certification and Registration Expires : **July 08, 2019**

Certification No. : **18-1205.02** *Revises: 14-0506.04*

Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
Product Control Division

Americo Segura, M.S.
Quality Assurance Unit Supervisor
Product Control Division

The Miami-Dade County Department of Regulatory and Economic Resources reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

INTERNATIONAL ACCREDITATION SERVICE®

SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-358
Company Name	Quast Consulting and Testing, Inc.
Address	1055 Indianhead Dr. Mosinee, WI 54455
Contact Name	Brian M. Sasman Vice President
Telephone	(715) 302-1934
Effective Date of Scope	April 25, 2017
Accreditation Standard	ISO/IEC 17025:2005

Structural

ASTM E283	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	Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference
ASTM E331	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by uniform static air pressure difference
ASTM E547	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by cyclic static air pressure difference
ASTM E783	Standard test method for field measurement of air leakage through installed exterior windows and doors
ASTM E987	Standard test methods for deglazing force of fenestration products
ASTM E1105	Standard test method for field determination of water penetration of installed exterior windows, skylights, doors, and curtain walls, by uniform or cyclic static air pressure difference
ASTM E1186	Standard practices for air leakage site detection in building envelopes and air barrier systems
ASTM E1886	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

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ASTM E1996	Standard specification for performance of exterior windows, curtain walls, doors, and impact protective systems impacted by windborne debris in hurricanes
ASTM E2068	Standard test method for determination of operating force of sliding windows and doors
ASTM E2268	Standard test method for water penetration of exterior windows, skylights, and doors by rapid pulsed air pressure difference
ASTM F588	Standard test methods for measuring the forced entry resistance of window assemblies, excluding glazing impact
ASTM F842	Standard test methods for measuring the forced entry resistance of sliding door assemblies, excluding glazing impact
AAMA 450	Specifying windows and doors using performance standards
AAMA 501.1	Standard test method for water penetration of windows, curtain walls and doors using dynamic pressure
AAMA 501.2	Quality assurance and diagnostic water leakage field check of installed storefronts, curtain walls and sloped glazing systems
AAMA 501.4	Recommended static test method for evaluating curtain wall and storefront systems subjected to seismic and wind induced interstory drifts (501.4) & recommended dynamic test method for determining the seismic drift causing glass fallout from a wall system (501.6)
AAMA 501.5	Test method for thermal cycling of exterior walls
AAMA 501.7	Recommended static test method for evaluating windows, window wall, curtain wall and storefront systems subjected to vertical inter-story movements
AAMA 502	Voluntary specification for field testing of newly installed fenestration products
AAMA 503	Voluntary specification for field testing of newly installed storefronts, curtain walls, and sloped glazing systems
AAMA 520	Voluntary specification for rating the severe wind-driven rain resistance of windows, doors and unit skylights
AAMA 910	Voluntary "life cycle" specifications and test methods for aw class architectural windows and doors
AAMA 1302.5	Voluntary specification for forced-entry resistant aluminum prime windows
AAMA 1303.5	Voluntary specifications for forced-entry resistant aluminum sliding glass doors

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AAMA 1304	Voluntary specification for forced entry resistance of side-hinged door systems
AAMA 1701.2	Voluntary standard for utilization in manufactured housing for primary windows and sliding glass doors
AAMA 1702.2	Voluntary standard for utilization in manufactured housing for swinging exterior passage doors
AAMA 1704	Voluntary standard egress window systems for utilization in manufactured housing
NHTSA / FMVSS 49 CFR 571.217 Standard No. 217	
	BUS EMERGENCY EXITS AND WINDOW RETENTION AND RELEASE
AAMA/WDMA/CSA 101/I.S.2/A440	
	North American Fenestration Standard/Specification for windows, doors, and skylights
CSA A440-S1	American fenestration standard/specification for windows, doors, and skylights, includes update no. 1 (2013)
WDMA 1.S.11	Architectural wood flush doors
ANSI/DASMA 108	Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference
ANSI/DASMA 115	Standard Method for Testing Garage Doors: Determination of Structural Performance Under Missile Impact and Cyclic Pressure
TAS 201	Impact test procedures
TAS 202	Criteria for testing impact & nonimpact resistant building envelope components using uniform static air pressure
TAS 203	Criteria for testing products subject to cyclic wind pressure loading

AAMA: American Architectural Manufacturers Association

CSA: Canadian Standards Association

TAS: Testing Application Standards (Miami-Dade County Protocol)

WDMA: Window and Door Manufacturer Association