



CERTIFICATE OF ACCREDITATION

This is to attest that

BLACKWATER TESTING SRL

VIA PIROLERI 19
ALTIVOLE, 31030, REPUBLIC OF ITALY

Testing Laboratory TL-802

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date December 6, 2022



A handwritten signature in black ink, reading "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

BLACKWATER TESTING SRL

www.blackwater-lab.com

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Accredited to ISO/IEC 17025:2017

Effective Date December 6, 2022

Construction Material Testing	
AAMA 450-20	Voluntary Performance Rating Method for Muller Fenestration Assemblies
AAMA 513-14	Standard Laboratory Test Method for Determination of Forces and Motions Required to Activate Operable Parts of Operable Windows and Doors in Accessible Spaces
AAMA 910-16	Voluntary "Life Cycle" Specifications and Test Methods for AW Class Architectural Windows and Doors
AAMA 920-16	Specification for Operating Cycle Performance of Side-Hinged Exterior Door Systems
AAMA 925-17	Specification for Determining the Vertical Loading Resistance of Side-Hinged Door Leaves
AAMA 1304-02	Voluntary Specification for Forced Entry Resistance of Side-Hinged Door Systems (in use previous version – 2002)
AAMA 1304-18	Voluntary Specification for Forced Entry Resistance of Side-Hinged Door Systems
AAMA 910-10	Voluntary "Life Cycle" Specifications and Test Methods for AW Class Architectural Windows and Doors (in use previous version – 2010)
AAMA/WDMA/CSA 101/IS2/A440-11	NAFS 2011 - North American Fenestration Standard/Specification for windows, doors, and skylights. (in use previous version – 2011)
AAMA/WDMA/CSA 101/IS2/A440-17	NAFS 2017 - North American Fenestration Standard/Specification for windows, doors, and skylights.
ANSI Z97.1-2015	Safety glazing materials used in buildings – safety performance specifications and methods of test (except clauses 5.3 and 5.4)
ANSI Z97 1 – 2015 R2020	For safety glazing materials used in buildings – safety performance specifications and methods of test (except clause 5.3 and 5.4)
AS 4420.2-1996	Windows - Methods of test Deflection test
AS 4420.3-1996	Windows - Methods of test Operating force test
AS 4420.4-1996	Windows - Methods of test Air infiltration test

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AS 4420.5-1996	Windows - Methods of test Water penetration resistance test
AS 4420.6-1996	Windows - Methods of test Ultimate strength test
ASTM E283-04	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
ASTM E283 E283M-19	Standard Test Method for Determining Rate of Air Leakage Through Exterior Window, Curtain Walls, And Doors Under Specified Pressure Differences Across the Specimen
ASTM E330/E330M-14	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 (in use previous version – 2009)
ASTM E331-00(2016)	Standard Test Method for Water Penetration of Exterior Window, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E547-00	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference (in use previous version – 2009)
ASTM E547-00(2016)	Standard Test Method for Water Penetration of Exterior Window, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
ASTM E935-13e1	Performance of Permanent Metal Railing Systems and Rails for Buildings
ASTM E935-21	Performance of Permanent Metal Railing Systems and Rails for Buildings
ASTM E987-88	Standard Test Methods for Deglazing Force of Fenestration Products (except clause 7.2 Method B)
ASTM E987-88 (2017)	Standard Test Methods for Deglazing Forced of Fenestration Products (except clause 7.2 Method B)
ASTM E1233/E1233M-14	Test Method for Structural Performance of Exterior Windows, Doors, Skylights, and Curtain Walls by Cyclic Air Pressure Differential
ASTM E1748-95 (2009)	Evaluating the Engagement Between Windows and Insect Screens as an Integral System
ASTM E1748-95 (2017)	Evaluating the Engagement Between Windows and Insect Screens as an Integral System
ASTM E1886-13a	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 E1886-19	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 E1996-14a	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes (in use previous version – 2014)
ASTM E1996-20	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 E2025-99(2006)	Evaluating Fenestration Components and Assemblies for Resistance to Impact Energies
ASTM E2068-00	Standard Test Methods for Determination of Operating Force of Sliding Windows and Doors
ASTM E2353-16	Performance of Glazing in Permanent Railing Systems, Guards, and Balustrades
ASTM E2358-17	Glass Railing Systems Specification
ASTM E2353-21	Performance of Glazing in Permanent Railing Systems, Guards, and Balustrades
ASTM F588-17	Standard Test Method for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact
ASTM F58814	Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact (in use previous version – 2014)
ASTM F842-14	Standard Test Methods for Measuring the Forced Entry Resistance of Sliding Door Assemblies, Excluding Glazing Impact (in use previous version – 2014)
ASTM F842-17	Standard Test Method for Measuring the Forced Entry Resistance of Sliding Door Assemblies, Excluding Glazing Impact
TAS 201-94	Impact Test Procedure
TAS 202-94	Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure
TAS 203-94	Criteria for Testing Products Subject to Cyclic Wind Pressure Loading