

# **TECHNICAL DOCUMENT**

SERIES: XXXX XX AAMA / NWWDA 101/LS

F-LC35-60X84

#### I. Air, Water, Structural Testing

- AAMA/WDMA/CSA 101/I.S.2/A440 North American Fenestration Standard/ Specification for windows, doors, and skylights.
- **ASTM E283** Determining Rate of Air Leakage through exterior Windows, Curtain Walls and Doors under specified uniform static air pressure difference
- **ASTM E330** Structural Performance of exterior Windows, Doors, Skylights and Curtain Walls by uniform static air pressure
- **ASTM E331** Water Penetration of exterior Windows, Doors, Skylights and Curtain Walls by uniform static air pressure
- ASTM E547 Water Penetration of exterior Windows, Doors, Skylights and Curtain Walls by uniform static air pressure

## AAMA Gold Label Certification Program

### II. Thermal Testing & Simulation

- AAMA 1503 Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections
- **ASTM C1199** Standard Test Method for Measuring the Steady-State Thermal Transmittance of Fenestration Systems Using Hot Box Methods
- ASTM C1363 Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus
- NFRC 100 / 200 / 500 NFRC testing for U-Value, SHGC and air infiltration
- NFRC 102 NFRC procedure for hot box thermal U-value testing

## NFRC Thermal Certification Program AAMA is our IA for this program



- AAMA 506 Voluntary Specifications for Hurricane Impact and Cycle Testing of Fenestration Products
- ASTM E 1886 Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impact by Missile and Cyclic Pressure
- ASTM E 1996 Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricane
- TAS 201 Florida code test for impact
- TAS 202 Florida code test for uniform static air pressure testing
- TAS 203 Florida code test for cyclic wind pressure load testing

Florida State-wide Product Approval System





AAMA CERTIFICATION PROGRAM

INSTITUTE



# **TECHNICAL DOCUMENT**

**TD-002** November 12, 2010 Window Testing & Certification

**IV. Blast Testing** 

- AAMA 510 Voluntary Guide Specification for Blast Hazard Mitigation for Fenestration Systems
- ASTM F1642 Standard Test Method for Glazing and Glazing Systems Subject to Airblast Loadings
- UFC 4-010-01 Minimum Antiterrorism Standards for Buildings
- **GSA TS-01** Standard Test Method for Glazing and Glazing Systems Subject to Dynamic Overpressure Loadings

AAMA Security Fenestration Certification Program - Architectural Testing Inc. is the Administrator for this program

## V. Acoustical Performance Testing

- AAAMA 1801 Voluntary Specification for the Acoustical Rating of Windows, Doors and Glazed Wall Sections
- ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- **ASTM E1425** Standard Practice for Determining the Acoustical Performance of Windows, Doors, Skylight, and Glazed Wall Systems

Architectural Testing Inc. Acoustical Certification Program

### **VI. Insulating Glass**

- · ASTM E2188 Standard Test Method for Insulating Glass Unit Performance
- ASTM E2189 Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units
- ASTM E2190 Standard Specification for Insulating Glass Unit Performance and Evaluation

IGCC/IGMA Insulating Glass Certification Program



	a the	Acoustical Performance Certification Program	
	ACOUSTICAL PERFORMANCE DATING CERTIFICATION PROGRAM ATLANATH	Certification Authorization for:	
Company	Graham Architectural Products Corporation		
Corporate Address	1551 Mount Rose Avenue York, Pennsylvania 17403		
Plant Location	1221 Elm Street		
	York, Pennsylvan	ia 17403	
Website:	www.grahamwindows.com		
Phone			
Facsimile:	717-849-8148		
Participant Since	June 2004		
	Architectural Testing As verified by Architectural	r postel on the Accessical Performance Confidencies Listing in a participant in prod-standardin in the social Parformance Confidencies Program Products listed how no or melled by the manufacture and Testing during unamonosed manufacturing air and/us to most the requirements of the confidencies program nace Confidencies Listing is not an endorsement of the numListance or products listed horsis.	



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