



Architectural Testing



## ACOUSTICAL PERFORMANCE TEST REPORT

MI WINDOWS AND DOORS, INC.  
P.O. Box 370  
Gratz, Pennsylvania 17030

Report No: 57672.01-113-11  
Test Date: 05/18/05  
Report Date: 05/26/05  
Expiration Date: 05/18/09

### Test Sample Identification:

**Series/Model:** 910/3910

**Type:** Vinyl Patio Door

**Performance Class:** Residential

**Overall Size:** 72" by 80"

**Glazing Option A:** 3/4" IG (1/8" Tempered Exterior, 7/16" Air Space, 3/16" Tempered Interior)

**Glazing Option B:** 3/4" IG (1/8" Tempered exterior, 3/8" air space, 1/4" Laminated interior)

**Test Methods:** The acoustical test was conducted in accordance with the following:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**Test Procedure:**

Operating Force Test - The Type B method, which utilizes a force gage, was used to determine the breakaway and operating forces required to open and close the panel.

Air Leakage Test - The vinyl patio door was closed and locked for this test. A negative pressure of 1.57 psf was applied inside the chamber that was placed around the interior side

to calculate the specimen air leakage. Barometric pressure corrections were applied to the air leakage calculations.

Sound Transmission Loss Test - The vinyl patio door was also closed and locked for this test



**Sample Descriptions: (Continued)**

**Panel Construction:**

	<b>Active Panel</b>
<b>Size</b>	36-7/8" by 77-3/4"
<b>Thickness</b>	1-3/8"
<b>CORNERS</b>	Mitered
Fasteners	Welds
Seal Method	None
<b>MATERIAL</b>	Vinyl
Reinforcement	Steel, located in stiles

<b>Daylight Opening Size</b>	32-1/8" by 73"
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**Glazing Option A:**

<b>Measured Overall Insulation Glass Unit Thickness</b>	0.753"
<b>Spacer Type</b>	Steel U-shaped

	<b>Exterior Sheet</b>	<b>Gap</b>	<b>Interior Sheet</b>
	0.100"	0.140"	0.100"

Sample Descriptions: (Continued)

Glazing Option B:

<b>Measured Overall Insulation Glass Unit Thickness</b>		0.751"
<b>Spacer Type</b>	Aluminum Reinforced Butyl	

	<b>Exterior Sheet</b>	<b>Gap</b>	<b>Interior Sheet</b>
<b>MEASURED THICKNESS</b>	0.122"	0.394"	0.103"-0.030"-0.103"
<b>MUNTIN PATTERN</b>	N/A	N/A	N/A
<b>MATERIAL</b>	Tempered	Argon	Tempered



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A copy of this report will be retained by ATI for a period of four years from the original test

date. This report is the exclusive property of the client so named herein. This report shall not be



**Revision Log**

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	05/26/05	N/A	Original test report