



*MW 1300 MW 1400*

## **Manufacturer’s Certification** **MW 1300 & 1400 Replacement Windows**

Ply Gem Windows, located at 4415 Pheasant Ridge Road, Suite 300, Roanoke, Virginia 24014, manufactures certain MW 1300 and 1400 exterior windows and doors that, when purchased with optional Low-E glass and argon gas fill in a double or triple glazed unit, meet or exceed the prescriptive criteria established by the IECC for all climate zones in which the window or doors are installed.

To qualify for the Energy Improvement and Extension Act tax credit, exterior windows and doors must have both a U-Factor rating of .30 or lower and a Solar Heat Gain Coefficient (SHGC) rating of .30 or lower. The MW 1300 and 1400 exterior window and door products set forth in Attachment A have a U-Factor and SHGC of .30 or below and qualify for this tax credit. To qualify for the tax credit, homeowners must purchase the qualifying MW 1300 and 1400 exterior window and door products and install in accordance with Ply Gem Windows’ instructions between January 1, 2009 and December 31, 2010.

To certify the qualifying MW 1300 and 1400 products for purposes of the tax credits available under the Energy Improvement and Extension Act of 2008, **Ply Gem Windows represents that its window and door products having a U-Factor and SHGC of .30 or below as set forth in Attachment A are “Eligible Building Envelope Component(s)” that qualify for the federal income tax credit allowed under the Energy Improvement and Extension Act of 2008.**

**Homeowners should consult their tax advisor to determine whether they qualify for any potential income tax credits.**

Under penalties of perjury, I declare that I have examined this certification statement, and to the best of my knowledge and belief, the facts are true, correct, and complete.

Lynn Morstad  
President, Ply Gem Windows

June, 2009

**ATTACHMENT A**

				<b>NFRC Certified Values</b>						
<b>Product Type / Popular Glazing Options</b>	<b>U-Factor (Center of Glass)</b>	<b>R-value (Center of Glass)</b>	<b>Total Unit R-value</b>	<b>NFRC CPD Number</b>	<b>Total Unit U-Factor</b>	<b>SHGC</b>	<b>VT</b>	<b>CR</b>	<b>ENERGY STAR QUALIFIED</b>	
				PGW-M-29						
<b>Double Hung</b>										
Double Low E Argon IGU	0.25	4.0	3.3	PGW-M-29	0.30	0.27	0.47	53	Yes	
Grids (Width<1")	0.25	4.0	3.3		0.30	0.24	0.42	53	Yes	
				PWG-M-38					No	
<b>Slider</b>										No
Low E Argon IGU	0.26	3.8	3.3		PWG-M-38	0.30	0.28	0.52	54	Yes
Double Low E Argon IGU	0.25	4.0	3.3			0.30	0.26	0.47	55	Yes
Grids (Width<1")	0.25	4.0	3.3	0.30		0.24	0.41	55	Yes	
				PWG-M-41						
<b>Picture</b>										
Low E Argon IGU Grids (Width<1")	0.26	3.8	3.6		PWG-M-41	0.28	0.29	0.54	56	Yes
Double Low E Argon IGU	0.26	3.8	3.7	0.27		0.30	0.54	56	Yes	
Grids (Width<1")	0.26	3.8	3.7	0.27		0.27	0.48	56	Yes	
				PWG-M-25						
<b>Casement</b>										
Low E Argon IGU	0.26	3.8	3.4		PWG-M-25	0.29	0.27	0.50	58	Yes
Grids (Width<1")	0.26	3.8	3.4			0.29	0.25	0.45	58	Yes
Double Low E Argon IGU	0.25	4.0	3.4	0.29		0.25	0.44	59	Yes	
Grids (Width<1")	0.25	4.0	3.4	0.29		0.23	0.40	59	Yes	
				PWG-M-24						
<b>Fixed Casement</b>										
Low E Argon IGU Grids (Width<1")	0.26	3.8	3.7		PWG-M-24	0.27	0.28	0.52	58	Yes
Double Low E Argon IGU	0.25	4.0	3.7	0.27		0.29	0.51	59	Yes	
Grids (Width<1")	0.25	4.0	3.7	0.27		0.26	0.46	59	Yes	
				PWG-M-26						
<b>Awning</b>										
Low E Argon IGU	0.26	3.8	3.4		PWG-M-26	0.29	0.27	0.50	55	Yes
Grids (Width<1")	0.26	3.8	3.4			0.29	0.25	0.45	55	Yes
Double Low E Argon IGU	0.25	4.0	3.4	0.29		0.25	0.44	56	Yes	
Grids (Width<1")	0.25	4.0	3.4	0.29		0.23	0.40	56	Yes	
				PWG-M-45						
<b>Sliding Patio Door (CMPD)</b>										
Low E Argon IGU	0.26	3.8	3.4		PWG-M-45	0.29	0.27	0.49	57	Yes
Grids (Width<1")	0.26	3.8	3.4			0.29	0.23	0.43	57	Yes
Double Low E Argon IGU	0.26	3.8	3.6	0.28		0.25	0.44	58	Yes	
Grids (Width<1")	0.26	3.8	3.6	0.28		0.22	0.38	58	Yes	

**NFRC (National Fenestration Rating Council)**

- CPD - Certified Product Directory
- SHGC - Solar Heat Gain Coefficient
- VT - Visible Light Transmission
- CR - Condensation Resistance

**U-Factor** - Rate of Heat Loss  
**R-Value** - Resistance to Heat Flow

Footnotes: Total unit values: Single strength glass for all dual & triple pane windows with and w/o grids.  
 Total unit values: Double strength glass for all dual & triple pane Patio Doors and Picture Windows.

# MW 1300

# PLY GEM WINDOWS

## ATTACHMENT A

				<b>NFRC Certified Values</b>					
<b>Product Type / Popular Glazing Options</b>	<b>U-Factor (Center of Glass)</b>	<b>R-value (Center of Glass)</b>	<b>Total Unit R-value</b>	<b>NFRC CPD Number</b>	<b>Total Unit U-Factor</b>	<b>SHGC</b>	<b>VT</b>	<b>CR</b>	<b>ENERGY STAR QUALIFIED</b>
<b>Picture</b>				PWG-M-42					
Low E Argon IGU Grids (Width<1")	0.26	3.8	3.4		0.30	0.29	0.54	56	Yes
<b>Casement</b>				PWG-M-25					
Low E Argon IGU	0.26	3.8	3.5		0.29	0.27	0.50	58	Yes
Grids (Width<1")	0.26	3.8	3.5		0.29	0.25	0.45	58	Yes
<b>Fixed Casement</b>				PWG-M-24					
Low E Argon IGU Grids (Width<1")	0.26	3.8	3.6		0.28	0.28	0.52	58	Yes
<b>Awning</b>				PWG-M-26					
Low E Argon IGU	0.26	3.8	3.4		0.29	0.25	0.48	54	Yes
Grids (Width<1")	0.26	3.8	3.4		0.29	0.23	0.43	54	Yes

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