



Manufacturer's Certification Ply Gem Replacement Windows

Ply Gem Windows, located at 4415 Pheasant Ridge Road, Suite 300, Roanoke, Virginia 24014, manufactures certain Premium and Pro Series 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 Ply Gem Windows 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 Ply Gem Windows 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 Ply Gem Windows 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.

A handwritten signature in black ink, appearing to read 'Lynn Morstad', is written over a faint, illegible background.

Lynn Morstad
President, Ply Gem Windows

June, 2009
www.plygemwindows.com



ATTACHMENT A

Insulate Pro 200 (former Insulate 200 full frame)					
Product	Without Grilles		With Grilles		
	U-Value	SHGC	U-Value	SHGC	
Standard Glass Package (3/32" and 1/8" Glass)					
Intercept Spacer	Fixed Window			0.29	0.29
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 1 (1/8" Glass)					
Intercept Spacer	Fixed Window	0.29	0.25	0.29	0.22
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 2 (3/32" and 1/8" Glass)					
3/4" Insulating Glass	Single Hung	0.30	0.29	0.30	0.26
Dual Glazed	Horizontal Slider	0.30	0.29	0.30	0.26
Super Spacer	Fixed Window			0.28	0.29
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 3 (1/8" Glass)					
3/4" Insulating Glass	Single Hung	0.30	0.22	0.30	0.20
Dual Glazed	Horizontal Slider	0.30	0.22	0.30	0.20
Super Spacer	Fixed Window	0.27	0.25	0.27	0.22
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 4 (1/8" Glass) - Used with Sculpted Grilles					
Intercept Spacer	Fixed Window			0.30	0.29
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 5 (1/8" Glass) - Used with Sculpted Grilles					
Super Spacer	Fixed Window			0.29	0.29
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 6 (1/8" Glass) - Used with Sculpted Grilles					
Intercept Spacer	Fixed Window			0.30	0.22
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 7 (1/8" Glass) - Used with Sculpted Grilles					
1" Insulating Glass	Single Hung			0.30	0.20
Dual Glazed	Horizontal Slider			0.30	0.20
Super Spacer	Fixed Window			0.28	0.22
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 8 (3/16" Glass)					
1" Insulating Glass	Single Hung	0.30	0.28		
Dual Glazed	Horizontal Slider	0.30	0.29	0.30	0.26
Super Spacer	Fixed Window			0.28	0.29
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 9 (3/16" Glass)					
1" Insulating Glass	Single Hung	0.30	0.22	0.30	0.20
Dual Glazed	Horizontal Slider	0.30	0.22	0.30	0.20
Super Spacer	Fixed Window	0.28	0.24	0.28	0.22
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					

Insulate Pro 700 (former Insulate 700 full frame)

Product	Without Grilles		With Grilles		
	U-Value	SHGC	U-Value	SHGC	
Standard Glass Package (3/32" Glass)					
3/4" Insulating Glass	Casement	0.29	0.25	0.29	0.23
Dual Glazed	Awning	0.29	0.25	0.29	0.23
Intercept Spacer	Fixed Window			0.28	0.28
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 1 (3/32" Glass)					
3/4" Insulating Glass	Casement	0.28	0.25	0.28	0.23
Dual Glazed	Awning	0.28	0.25	0.28	0.23
Super Spacer	Fixed Window			0.28	0.28
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 2 (1/8" Glass)					
3/4" Insulating Glass	Casement	0.29	0.25	0.30	0.23
Dual Glazed	Awning	0.29	0.25	0.30	0.23
Intercept Spacer	Fixed Window			0.30	0.28
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 3 (1/8" Glass)					
3/4" Insulating Glass	Casement	0.29	0.19	0.30	0.18
Dual Glazed	Awning	0.29	0.19	0.29	0.18
Intercept Spacer	Fixed Window	0.28	0.24	0.30	0.22
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 4 (1/8" Glass)					
3/4" Insulating Glass	Casement	0.28	0.25	0.29	0.23
Dual Glazed	Awning	0.28	0.25	0.29	0.23
Super Spacer	Fixed Window			0.29	0.28
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 5 (1/8" Glass)					
3/4" Insulating Glass	Casement	0.28	0.19	0.29	0.18
Dual Glazed	Awning	0.27	0.19	0.28	0.18
Super Spacer	Fixed Window	0.27	0.24	0.29	0.22
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 6 (3/16" Glass)					
1" Insulating Glass	Casement	0.28	0.25	0.28	0.23
Dual Glazed	Awning	0.28	0.25	0.28	0.23
Super Spacer	Fixed Window			0.28	0.28
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 7 (3/16" Glass)					
1" Insulating Glass	Casement	0.28	0.19	0.28	0.18
Dual Glazed	Awning	0.28	0.19	0.28	0.18
Super Spacer	Fixed Window	0.27	0.24	0.27	0.22
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					

Insulate Pro 800 (former Insulate 800)

	Product	Without Grilles		With Grilles	
		U-Value	SHGC	U-Value	SHGC
Optional Glass Package 3 (1/8" Glass)					
3/4" Insulating Glass Dual Glazed Super Spacer Argon Gas Fill High Performance Low E Glass Single Surface Low E Glass	Sliding Door	0.30	0.22		

Insulate Pro 960 Sliding Patio Door (former Insulate 960 NCXT sliding patio door)

	Product	Without Grilles		With Grilles	
		U-Value	SHGC	U-Value	SHGC
Standard Glass Package (1/8" Glass)					
3/4" Insulating Glass Dual Glazed Intercept Spacer Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass	Sliding Door	0.30	0.29		
Optional Glass Package 1 (1/8" Glass)					
3/4" Insulating Glass Dual Glazed Intercept Spacer Argon Gas Fill High Performance Low E Glass Single Surface Low E Glass	Sliding Door	0.30	0.23		
Optional Glass Package 2 (1/8" Glass)					
3/4" Insulating Glass Dual Glazed Super Spacer Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass	Sliding Door	0.29	0.29		
Optional Glass Package 3 (1/8" Glass)					
3/4" Insulating Glass Dual Glazed Super Spacer Argon Gas Fill High Performance Low E Glass Single Surface Low E Glass	Sliding Door	0.29	0.23		
Optional Glass Package 5 (1/8" Glass) - Used with Sculpted Grilles					
1" Insulating Glass Dual Glazed Super Spacer Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass	Sliding Door			0.30	0.27
Optional Glass Package 7 (1/8" Glass) - Used with Sculpted Grilles					
1" Insulating Glass Dual Glazed Super Spacer Argon Gas Fill High Performance Low E Glass Single Surface Low E Glass	Sliding Door			0.30	0.21
Optional Glass Package 8 (3/16" Glass)					
1" Insulating Glass Dual Glazed Super Spacer Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass	Sliding Door	0.30	0.29	0.30	0.27
Optional Glass Package 9 (3/16" Glass)					
1" Insulating Glass Dual Glazed Super Spacer Argon Gas Fill High Performance Low E Glass Single Surface Low E Glass	Sliding Door	0.29	0.23	0.29	0.21

Insulate Contractor 400 (former Insulate 400 slim line)

Product	Without Grilles		With Grilles		
	U-Value	SHGC	U-Value	SHGC	
Optional Glass Package 1 (3/32" Glass)					
5/8" Insulating Glass	Single Hung	0.30	0.30	0.30	0.27
Dual Glazed	Horizontal Slider	0.30	0.30	0.30	0.27
Super Spacer					
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 3 (1/8" Glass)					
11/16" Insulating Glass					
Dual Glazed					
Intercept Spacer	Fixed Window	0.28	0.25		
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 4 (1/8" Glass)					
11/16" Insulating Glass	Single Hung	0.30	0.30		
Dual Glazed	Horizontal Slider	0.30	0.30		
Super Spacer					
Argon Gas Fill					
Standard Performance Low E Glass					
Single Surface Low E Glass					
Optional Glass Package 5 (1/8" Glass)					
11/16" Insulating Glass	Single Hung	0.30	0.23		
Dual Glazed	Horizontal Slider	0.30	0.23		
Super Spacer	Fixed Window	0.27	0.25	0.30	0.23
Argon Gas Fill					
High Performance Low E Glass					
Single Surface Low E Glass					

Insulate Contractor 550 (former Insulate 550 slim line)

Product	Without Grilles		With Grilles		
	U-Value	SHGC	U-Value	SHGC	
Standard Glass Package (3/32" Glass)					
3/4" Insulating Glass	Casement	0.30	0.25	0.30	0.22
Dual Glazed	Awning	0.30	0.25	0.30	0.22
Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass					
Optional Glass Package 1 (3/32" Glass)					
3/4" Insulating Glass	Casement	0.28	0.25	0.28	0.22
Dual Glazed	Awning	0.28	0.25	0.28	0.22
Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass					
Optional Glass Package 2 (1/8" Glass)					
3/4" Insulating Glass	Casement	0.30	0.25		
Dual Glazed	Awning	0.30	0.25		
Intercept Spacer	Fixed Window			0.29	0.28
Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass					
Optional Glass Package 3 (1/8" Glass)					
3/4" Insulating Glass	Casement	0.30	0.19		
Dual Glazed	Awning	0.30	0.19		
Intercept Spacer	Fixed Window	0.28	0.24	0.28	0.22
Argon Gas Fill High Performance Low E Glass Single Surface Low E Glass					
Optional Glass Package 4 (1/8" Glass)					
3/4" Insulating Glass	Casement	0.28	0.25	0.29	0.22
Dual Glazed	Awning	0.28	0.25	0.29	0.22
Super Spacer	Fixed Window			0.29	0.28
Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass					
Optional Glass Package 5 (1/8" Glass)					
3/4" Insulating Glass	Casement	0.28	0.19	0.29	0.17
Dual Glazed	Awning	0.28	0.19	0.29	0.17
Super Spacer	Fixed Window	0.27	0.24	0.28	0.22
Argon Gas Fill High Performance Low E Glass Single Surface Low E Glass					
Optional Glass Package 6 (3/16" Glass)					
3/4" Insulating Glass	Casement	0.29	0.25		
Dual Glazed	Awning	0.29	0.25		
Argon Gas Fill Standard Performance Low E Glass Single Surface Low E Glass					
Optional Glass Package 7 (3/16" Glass)					
3/4" Insulating Glass	Casement	0.29	0.19		
Dual Glazed	Awning	0.29	0.19		
Super Spacer	Fixed Window	0.28	0.24		
Argon Gas Fill High Performance Low E Glass Single Surface Low E Glass					



Manufacturer's Certification **Somerton II Replacement Windows**

Ply Gem Windows, located at 4415 Pheasant Ridge Road, Suite 300, Roanoke, Virginia 24014, manufactures certain Somerton II 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 Somerton II 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 Somerton II 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 Somerton II 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.

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Lynn Morstad
President, Ply Gem Windows

June, 2009



ATTACHMENT A

Product Type / Popular Glazing Options	U-Factor (Center of Glass)	R-value (Center of Glass)	Total Unit R-value	NFRC Certified Values					ENERGY STAR QUALIFIED
				NFRC CPD Number	Total Unit U-Factor	SHGC	VT	CR	
Somerton II Fixed Window									
Standard Performance (Low E Argon IGU)	0.25	4.0	3.4	PWG-M-134	0.29	0.30	0.58	59	Yes
Grids (Width<1")	0.25	4.0	3.4		0.29	0.28	0.52	59	Yes
High Performance (Low E Argon IGU)	0.25	4.0	3.4		0.29	0.23	0.45	59	Yes
Grids (Width<1")	0.25	4.0	3.4		0.29	0.21	0.40	59	Yes
Somerton II Slider									
Standard Performance (Low E Argon IGU)	0.25	4.0	3.3	PWG-M-135	0.30	0.29	0.55	56	Yes
Grids (Width<1")	0.25	4.0	3.3		0.30	0.26	0.49	56	Yes
High Performance (Low E Argon IGU)	0.25	4.0	3.3		0.30	0.22	0.43	56	Yes
Grids (Width<1")	0.25	4.0	3.3		0.30	0.20	0.39	56	Yes
Somerton II Single Hung									
Standard Performance (Low E Argon IGU)	0.25	4.0	3.3	PWG-M-136	0.30	0.29	0.55	56	Yes
Grids (Width<1")	0.25	4.0	3.3		0.30	0.26	0.49	56	Yes
High Performance (Low E Argon IGU)	0.25	4.0	3.3		0.30	0.22	0.43	57	Yes
Grids (Width<1")	0.25	4.0	3.3		0.30	0.20	0.39	57	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

Total unit values: Single strength (3/32") glass for all dual pane windows with and w/o grids.