

\$1,500 Energy Tax Credit



April 6, 2009

Dear Valued Customer:

On February 17th, President Obama signed the \$789 billion economic stimulus bill that included tax credit incentives for homeowners who make energy-efficient improvements. The American Recovery and Reinvestment Act of 2009 modifies and extends federal tax credits for windows and doors that improve energy efficiency. To be eligible, windows and doors must have a u-Factor equal to or less than 0.30 and a Solar Heat Gain Coefficient (SHGC) equal to or less than 0.30. At that time (February 26th) Polaris Technologies made a decision to convert all of our Low-E glass to PPG Solar Ban 70 glass so most of our windows that had this glass would meet the new codes. Polaris Technologies absorbed the added cost of this glass, giving us time to investigate more options.

We have had the time to get a closer look at the impact of these codes, and have added new glass packages to meet the codes. Here is a list of our current and new glass packages:

<u>Double Glazing</u>		<u>Triple Glazing</u>	
EnergySmart Supreme	= SB60 (3)/Argon	EnergySmart Supreme	= SB60 (5)/Argon
*EnergySmart Supreme ²	= SB60 (2)/Argon	*EnergySmart Supreme ²	= SB60 (2)/Argon
*EnergySmart XL	= SB70 (3)/Argon	EnergySmart Ultimate	= SB60 (3,5)/Argon
		EnergySmart Ultimate Plus	= SB60 (3,5)/Krypton
		*EnergySmart Ultimate ²	= SB60 (2,4)/Argon
		*EnergySmart Ultimate Plus ²	=SB60 (2,4)/Krypton

*New Glass Packages

The intent of this letter is to clarify what products from Polaris Technologies meet the new codes, and detail some of the new changes we will be making to our product line to meet the codes.

How to qualify for the Federal Tax Credit:

1. Purchase qualifying Polaris Technologies windows (UltraWeld, DynaTech, ThermalWeld, and ValuSmart) or doors (Ultra Steel and Ultra Fiberglass Doors). The windows or door must have both a U-Factor and SHGC of 0.30 or lower. Energy Smart Ultimate Plus with low-e will also meet the new tax credit codes (Triple Glazed Units with Low-e and gas).
2. Homeowners must save their receipts for their window and door purchases along with all window labels and stickers (NFRC/Energy Star label) for verification and tax recordkeeping.
3. Purchase and install qualifying products beginning January 1, 2009 through December 31, 2010 and meet all other requirements outlined in the Federal Tax Code.
4. Claim the tax credit associated with your qualifying purchases on your Federal filing for the 2009 and/or 2010 tax year.

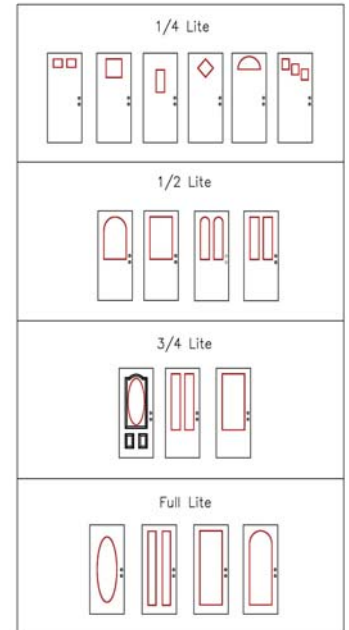
2009/2010 Energy Tax Credit Details

- Tax credit is for the cost of the product only and does not include installation costs. Be sure to ask for a sales receipt that shows the cost of the product only.
- Tax credit is 30% of the amount paid for the product up to a maximum of \$1,500 combined for 2009 and 2010 (Including other eligible items listed in the IRS Notice).
- This is a new tax credit for 2009 and 2010.

Qualifying Polaris Technologies Products:

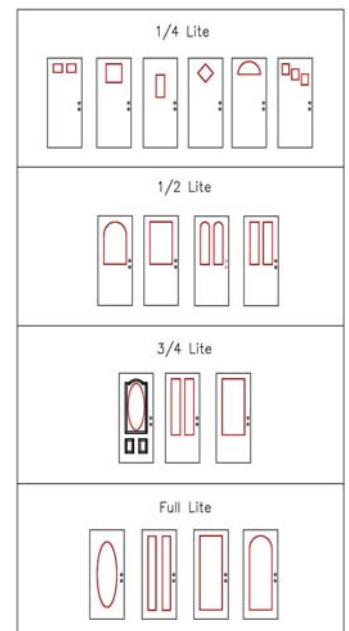
For windows and doors to qualify for the current energy tax credit, they must meet a .30 U-Factor, and a Solar Heat Gain Coefficient (SHGC) of .30 or less. Polaris Technologies offers a variety of energy-efficient glass packages that meet these qualifications. The following is the list of windows and doors that are eligible for the 2009-2010 tax credit:

Steel Doors		1/4 Lite	1/2 Lite	3/4 Lite	Full Lite
		≤410 in ²	≤910 in ²	≤1100 in ²	>1100 in ²
Decorative Glass -(Aurora, Naples, Baton Rouge, Providence, Charleston, Williamsburg, Bostonian, New Orleans, Manhattan, Lexington, Santa Fe)	U Factor	0.20	0.27	NO	NO
	SHGC	0.05	0.16		
1/2" Clear Glass - Exterior Molded Grids	U Factor	0.21	NO	NO	NO
	SHGC	0.03			
1/2" Glass - Exterior Molded Grids - Low e / Argon	U Factor	0.20	0.27	NO	NO
	SHGC	0.02	0.11		
1" Clear Glass - Internal Grids	U Factor	0.20	0.30	NO	NO
	SHGC	0.03	0.18		
1" Clear Glass without Grids	U Factor	0.20	0.30	NO	NO
	SHGC	0.03	0.20		
1" Glass - Internal Grids - Low e / Argon	U Factor	0.20	0.25	0.28	0.30
	SHGC	0.02	0.11	0.16	0.19
1" Glass without Grids - Low e / Argon	U Factor	0.20	0.25	0.28	0.30
	SHGC	0.02	0.12	0.18	0.22
Flush / Embossed Panel		U Factor 0.18	SHGC 0.01		



Fiberglass Doors

Fiberglass Doors		1/4 Lite	1/2 Lite	3/4 Lite	Full Lite
		≤410 in ²	≤910 in ²	≤1100 in ²	>1100 in ²
Decorative Glass -(Aurora, Naples, Baton Rouge, Providence, Charleston, Williamsburg, Bostonian, New Orleans, Manhattan, Lexington, Santa Fe)	U Factor	0.21	0.24	0.27	0.29
	SHGC	0.03	0.12	0.17	0.22
1/2" Clear Glass - Exterior Molded Grids	U Factor	0.22	0.28	NO	NO
	SHGC	0.03	0.13		
1/2" Glass - Exterior Molded Grids - Low e / Argon	U Factor	0.21	0.25	0.27	0.29
	SHGC	0.02	0.08	0.12	0.14
1" Clear Glass - Internal Grids	U Factor	0.21	0.27	NO	NO
	SHGC	0.03	0.13		
1" Clear Glass without Grids	U Factor	0.21	0.27	NO	NO
	SHGC	0.03	0.14		
1" Glass - Internal Grids - Low e / Argon	U Factor	0.21	0.24	0.26	0.28
	SHGC	0.02	0.08	0.12	0.15
1" Glass without Grids - Low e / Argon	U Factor	0.21	0.24	0.26	0.28
	SHGC	0.02	0.09	0.13	0.16
Flush / Embossed Panel		U Factor 0.19	SHGC 0.01		



*Many door companies do not offer Low-E/Argon to meet codes, Polaris Technologies does.

ValuSmart Windows: Since Thursday February 26th Polaris Technologies has been manufacturing ValuSmart Windows with PPG SB70 Low-E glass, not charging customers for this upgrade. Starting April 20th there will be some variations of the ValuSmart Window that meet the new codes. The Double Hung with single strength glass, grids and an adder of foam filled frame will meet the code with SB60 on surface two (EnergySmart Supreme²). Also, the double hung with single strength glass and SB70 Low-E on surface 3 (Energy Smart XL) will continue to meet the codes with the following glass packages, but customers will have to pay \$1.00 list per U.I. for the SB70 glass as of April 20th. All ValuSmart Vinyl Patio Doors will meet the new codes with SB70 glass on surface two (EnergySmart XL), but there will be an up-charge of \$190.00 list per door for the SB70 glass.

			Double Pane					
			Supreme		Supreme ² *		XL	
			SB60 (3)		SB60 (2)		SB70 (3)	
			CS-AR		SC-AR		CSB70-AR	
			U	SHG	U	SHG	U	SHG
			ValuSmart Double Hung *Foam Fill charge	SS	NG	NO	NO	0.30
G	NO	0.30			0.28	0.30	0.27	
DS	NG	NO		NO				
	G	NO		NO				
Valu Smart Picture Window	SS	NG	NO	NO				
		G	NO	NO				
	DS	NG	NO	NO				
		G	NO	NO				
	TS	NG	NO	NO				
		G	NO	NO	0.27	0.30		
ValuSmart Patio Door †	DS	NG	NO	NO	0.30	0.22		
		G	NO	0.30	0.27	0.30	0.19	

U = U Value
SHG = Solar Heat Gain
SS = Single Strength Glass
DS = Double Strength Glass
TS = Triple Strength Glass
NG = No Grids between Glass
G = Grids between the Glass
SB60 = PPG Solar Ban 60 Low-E Glass
SB70 = PPG Solar Ban 70 Low-E Glass

† Patio door XL with SB70 on surface 2 not 3.

DynaTech Windows: The DynaTech windows will meet the new codes if you order them with the Foam Fill option at \$16.00 list per window, with the SB60 on surface two (EnergySmart Supreme²). At that time we will resume charging the \$1.00 per U.I. list for SB70 glass on the DynaTech Windows.

			Double Pane						Triple Pane											
			Supreme		Supreme ²		XL		Supreme		Supreme ²		Ultimate		Ultimate Plus		Ultimate ²		Ultimate Plus ²	
			SB60 (3)		SB60 (2)		SB70 (3)		SB60 (5)		SB60 (2)		SB60 (3,5)		SB60 (3,5)		SB60 (2,4)		SB60 (2,4)	
			CS-AR		SC-AR		CSB70-AR		CCS-AR		SCC-AR		CSS-AR		CSS-KR		SSC-AR		SSC-KR	
			U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG
			DynaTech Double Hung *Foam Fill	SS	NG	NO	0.30	0.30	0.30	0.29		NO	0.27	0.28	0.24	0.29	0.20	0.29	0.24	0.24
G	NO	0.30			0.27	0.30	0.26		NO	0.28	0.25	0.26	0.26	0.21	0.26	0.26	0.22	0.20	0.21	
DS	NG	NO		0.30	0.29	0.30	0.29		NO	0.28	0.27	0.26	0.29	0.21	0.29	0.26	0.24	0.21	0.24	
	G	NO		0.30	0.26	0.30	0.26	0.30	0.30	0.30	0.25	0.26	0.26	0.21	0.26	0.26	0.22	0.21	0.21	

ThermalWeld Windows: Since Thursday February 26th Polaris Technologies has been manufacturing ThermalWeld Windows with PPG SB70 Low-E glass, not charging customers for this up-grade. On April 20th we will be able to meet the new codes on the ThermalWeld Double Hung window with SB60 on surface two (EnergySmart Supreme²), and a foam filled frame. Polaris Technologies will not up-charge for the foam filled frames on the ThermalWeld Double Hung Windows, we will charge for foam filled frames on all other ThermalWeld Windows. The ThermalWeld slider will meet the new codes with SB60 on surface two (EnergySmart Supreme²). The ThermalWeld Picture Windows will only meet the new codes with SB60 on surface two (EnergySmart Supreme²) or SB70 on surface three (EnergySmart XL) with grids only. The new ThermalWeld Vinyl Patio Door will meet the new codes with SB60 on surface two (EnergySmart Supreme²) with grids. All ThermalWeld Vinyl Patio Doors will meet the new codes with SB70 glass on surface two (EnergySmart XL), but there will be an up-charge of \$190.00 list per door for the SB70 glass.

			Double Pane						Triple Pane											
			Supreme		Supreme ²		XL		Supreme		Supreme ²		Ultimate		Ultimate Plus		Ultimate ²		Ultimate Plus ²	
			SB60 (3)		SB60 (2)		SB70 (3)		SB60 (5)		SB60 (2)		SB60 (3,5)		SB60 (3,5)		SB60 (2,4)		SB60 (2,4)	
			CS-AR		SC-AR		CSB70-AR		CCS-AR		SCC-AR		CSS-AR		CSS-KR		SSC-AR		SSC-KR	
			U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG
ThermalWeld Double Hung *Foam Fill	SS	NG	NO	0.29	0.30	0.30	0.30	NO	0.26	0.28	0.24	0.30	0.20	0.30	0.24	0.25	0.20	0.24		
		G	NO	0.29	0.27	0.30	0.27	NO	0.27	0.26	0.26	0.27	0.20	0.27	0.25	0.22	0.20	0.22		
	DS	NG	NO	0.29	0.30	0.30	0.30	NO	0.28	0.28	0.26	0.29	0.21	0.30	0.26	0.24	0.21	0.24		
		G	NO	0.29	0.27	0.30	0.27	NO	0.29	0.25	0.27	0.26	0.22	0.27	0.26	0.22	0.21	0.22		
ThermalWeld Slider	SS	NG	NO	0.30	0.30	0.30	0.30	NO	0.28	0.28	0.24	0.30	0.20	0.30	0.24	0.24	0.20	0.24		
		G	NO	0.30	0.27	0.30	0.27	NO	0.29	0.25	0.25	0.27	0.21	0.27	0.25	0.22	0.20	0.22		
	DS	NG	NO	0.30	0.30	0.30	0.29	NO	0.29	0.28	0.25	0.29	0.20	0.29	0.25	0.24	0.20	0.24		
		G	NO	0.30	0.27	0.30	0.26	NO	NO	0.26	0.26	0.21	0.26	0.26	0.22	0.21	0.22			
ThermalWeld Picture Window	SS	NG	NO	NO	NO	NO	NO	0.26	0.30	NO	NO	0.22	0.26	0.17	0.26					
		G	NO	0.28	0.29	0.28	0.29	NO	0.27	0.27	0.23	0.29	0.17	0.29	0.23	0.24	0.17	0.24		
	DS	NG	NO	NO	NO	NO	NO	0.27	0.30	NO	NO	0.23	0.26	0.18	0.26					
		G	NO	0.28	0.29	0.28	0.29	0.27	0.30	0.29	0.27	0.24	0.28	0.19	0.29	0.24	0.24	0.19	0.23	
	TS	NG	NO	NO	NO	NO														
		G	NO	0.28	0.29	0.27	0.28													
ThermalWeld Patio Door †	DS	NG	NO	NO	0.30	0.22														
		G	NO	0.30	0.27	0.30	0.19													

† Patio door XL with SB70 on surface 2 not 3.

UltraWeld Windows: Since Thursday February 26th Polaris Technologies has been manufacturing UltraWeld Windows with PPG SB70 Low-E glass, not charging customers for this up-grade. On April 20th we will be able to meet the new codes on the UltraWeld Double Hung window with SB60 on surface two (EnergySmart Supreme²). At that time we will resume charging the \$1.00 per U.I. list for SB70 glass on the UltraWeld Windows. The UltraWeld Sliders will meet the new codes with SB60 on surface two (EnergySmart Supreme²), and a foam filled frame. Polaris Technologies will not up-charge for the foam filled frames on the UltraWeld Slider Windows, we will charge for foam filled frames on all other UltraWeld Windows. The UltraWeld Picture Windows will only meet the new codes with grids, double or triple strength glass and SB60 on surface two (EnergySmart Supreme²), or with grids and SB70 glass on surface three (EnergySmart XL). The UltraWeld Casement Picture Window will meet all codes with SB60 surface two (EnergySmart Supreme²), or SB70 surface three

(EnergySmart XL). The UltraWeld Casement and Awning Windows will meet the new codes with SB60 on surface two (EnergySmart Supreme²) or SB70 on surface three (EnergySmart XL). The SB70 glass is an up-charge of \$1.00 per U.I. list.

The UltraWeld Vinyl Patio Door: . All UltraWeld Vinyl Patio Doors will meet the new codes with SB70 glass on surface two (EnergySmart XL), but there will be an up-charge of \$190.00 list per door for the SB70 glass.

			Double Pane						Triple Pane											
			Supreme		Supreme ²		XL		Supreme		Supreme ²		Ultimate		Ultimate Plus		Ultimate ²		Ultimate Plus ²	
			SB60 (3)		SB60 (2)		SB70 (3)		SB60 (5)		SB60 (2)		SB60 (3,5)		SB60 (3,5)		SB60 (2,4)		SB60 (2,4)	
			CS-AR		SC-AR		CSB70-AR		CCS-AR		SCC-AR		CSS-AR		CSS-KR		SSC-AR		SSC-KR	
			U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG	U	SHG
UltraWeld Double Hung	SS	NG	NO	0.30	0.30	0.30	0.29	NO		0.28	0.28	0.24	0.29	0.20	0.29	0.24	0.24	0.20	0.24	
		G	NO	0.30	0.27	0.30	0.26	NO		0.29	0.25	0.25	0.26	0.21	0.26	0.25	0.22	0.20	0.21	
	DS	NG	NO	0.30	0.29	0.30	0.29	NO		0.29	0.27	0.25	0.29	0.20	0.29	0.25	0.24	0.20	0.24	
		G	NO	0.30	0.26	0.30	0.26	0.29	0.30	0.30	0.25	0.26	0.26	0.21	0.26	0.26	0.21	0.21	0.21	
UltraWeld Slider *Foam fill	SS	NG	NO	0.30	0.29	0.30	0.29	NO		0.28	0.27	0.25	0.29	0.20	0.29	0.25	0.24	0.20	0.24	
		G	NO	0.30	0.26	0.30	0.26	0.29	0.30	0.29	0.25	0.26	0.26	0.22	0.26	0.26	0.21	0.21	0.21	
	DS	NG	NO	0.30	0.29	0.30	0.29	NO		0.29	0.27	0.26	0.28	0.21	0.28	0.26	0.24	0.21	0.23	
		G	NO	0.30	0.26	0.30	0.26	0.30	0.30	0.30	0.24	0.27	0.25	0.22	0.26	0.27	0.21	0.22	0.21	
UltraWeld Picture Window	SS	NG	NO	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	0.21	0.27	0.16	0.27	
		G	NO	NO	0.28	0.30	NO	0.27	0.29	0.23	0.30	0.18	0.30	0.22	0.25	0.16	0.25			
	DS	NG	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	0.22	0.27	0.17	0.27		
		G	NO	0.28	0.30	0.28	0.30	NO	0.29	0.28	0.23	0.30	0.17	0.30	0.24	0.25	0.18	0.24		
	TS	NG	NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
		G	NO	0.27	0.30	0.27	0.30	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
UltraWeld Casement	SS	NG	NO	0.29	0.25	0.29	0.25	0.27	0.29	0.27	0.24	0.24	0.25	0.20	0.25	0.24	0.21	0.20	0.20	
		G	0.29	0.28	0.29	0.23	0.29	0.23	0.27	0.26	0.28	0.22	0.25	0.23	0.21	0.23	0.25	0.19	0.21	0.19
	DS	NG	0.29	0.30	0.29	0.25	0.29	0.25	0.28	0.29	0.28	0.23	0.25	0.24	0.21	0.25	0.25	0.20	0.21	0.20
		G	0.29	0.28	0.29	0.23	0.29	0.23	0.29	0.26	0.29	0.21	0.26	0.22	0.22	0.22	0.26	0.19	0.21	0.18
UltraWeld Awning	SS	NG	NO	0.30	0.25	0.29	0.25	0.29	0.27	0.28	0.24	0.24	0.25	0.21	0.25	0.24	0.21	0.21	0.20	
		G	0.30	0.28	0.30	0.23	0.29	0.23	0.27	0.26	0.28	0.22	0.25	0.23	0.21	0.23	0.25	0.19	0.21	0.19
	DS	NG	0.30	0.30	0.30	0.25	0.29	0.25	0.28	0.29	0.28	0.23	0.25	0.24	0.21	0.25	0.25	0.20	0.21	0.20
		G	0.30	0.28	0.30	0.23	0.29	0.23	0.28	0.26	0.29	0.21	0.25	0.22	0.21	0.22	0.25	0.19	0.21	0.19
UltraWeld Casement Picture Window	SS	NG	NO	0.29	0.30	0.28	0.30	NO		0.26	0.28	0.22	0.30	0.18	0.30	0.22	0.24	0.18	0.24	
		G	NO	0.29	0.27	0.28	0.27	NO		0.28	0.25	0.24	0.27	0.18	0.27	0.24	0.22	0.18	0.22	
	DS	NG	NO	0.29	0.30	0.28	0.29	NO		0.28	0.28	0.24	0.29	0.19	0.29	0.24	0.24	0.19	0.24	
		G	NO	0.29	0.27	0.28	0.26	NO		0.29	0.25	0.25	0.26	0.20	0.26	0.25	0.22	0.20	0.22	
TS	NG	NO	0.28	0.29	0.27	0.29	NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
	G	NO	0.28	0.27	0.27	0.26	NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
UltraWeld Patio Door	DS	NG	NO	NO	0.30	0.30	NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
		G	NO	NO	0.30	0.27	NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

† Patio door XL with SB70 on surface 2 not 3.

Please consult your tax planner and review all IRS guidelines. Polaris Technologies is not a tax advisor.

**The above is the best available information and is a partial summary of the revisions to the federal tax code (U.S. Code Title 26, Section 25C) as updated by the American Recovery and Reinvestment Act of 2009. Taxpayers should check with the IRS regarding updates to the IRS interim guidance in Notice 2006-26 for further details on the tax credit. Other energy efficient improvements may apply; check the following link and the IRS website for more details (<http://www.irs.gov/newsroom/article/0,,id=154657,00.html>). Polaris Technologies bears no responsibility in the validation of obtaining the tax credit. Please consult with a professional tax advisor or the

IRS. Additional information can be found at: www.energystar.gov/taxcredits

Polaris Technologies expressly disclaims any responsibility for determining whether a particular product qualifies for the tax credit. Further, Polaris Technologies does not intend to and is not providing legal or tax advice and recommends that purchasers consult their own tax advisor to determine whether the products they purchase qualify for the tax credit.

A quick summary of the new program starting April 20th:

UltraWeld Windows

- Double Hung with SB60 surface 2 meets code with no price increase (EnergySmart Supreme²).
- Sliders with SB60 surface 2 meets code with no price increase (EnergySmart Supreme²).
- Casement Windows with SB60 surface 2 meet code with no price increase (EnergySmart Supreme²).
- Picture window meets code with SB60 surface 2 with grids with no price increase (EnergySmart Supreme²).
- Casement Picture Window meets code with SB60 surface 2 with no price increase (EnergySmart Supreme²).
- V.P.D. doors meet code with SB70 glass, this will be an increase in price of \$190.00 list.

ThermalWeld Windows

- Double Hung with SB60 surface 2 meets code with no price increase (EnergySmart Supreme²).
- Sliders with SB60 surface 2 meets code with no price increase (EnergySmart Supreme²).
- Picture window meets code with SB60 surface 2 with grids with no price increase (EnergySmart Supreme²).
- Vinyl Patio Doors will meet the new codes with SB70 glass on surface two (EnergySmart XL), but there will be an up-charge of \$190.00 list per door for the SB70 glass. Units with SB60 on surface 2 with grids will meet the new code with no price increase.

ValuSmart

- The Double Hung with single strength glass, grids, and an adder of foam filled frame will meet the code with SB60 on surface two (EnergySmart Supreme²). Also, the double hung with single strength glass and SB70 Low-E on surface 3 (Energy Smart XL) will continue to meet the codes. Customers will have to pay \$1.00 list per U.I. for the SB70 glass as of April 20th.

There is currently no way to certify windows with mini-blinds between the glass to meet the new tax codes, please communicate this to your customers. Also, the Garden Windows will not meet the new tax codes. Once we get through this transition, we will be updating the front of the price books and literature to have the new glass packages included and the correct U values and Solar Heat Gain numbers.

If you have any questions regarding this, please contact your Polaris Technologies sales representative, or customer service. As always, we thank you for your continued support of Polaris Technologies.

Sincerely,



Michael J. Graham
Vice President of Manufacturing
Polaris Technologies