



**Manufacturer's Certification Statement  
for Andersen® A-Series Exterior Windows and Doors  
that are Eligible Building Envelope Components under Section 25C of the Internal Revenue  
Code as amended by the American Recovery and Reinvestment Act of 2009**

**Andersen Corporation  
100 Fourth Avenue North  
Bayport, MN 55003**

This Manufacturer's Certification Statement ("Statement"), dated August 25, 2009, identifies Andersen® A-Series exterior windows and exterior doors manufactured by Andersen Corporation ("Andersen") that may qualify as "Eligible Building Envelope Components" for a tax credit under Section 25C of the Internal Revenue Code, as amended by the American Recovery and Reinvestment Act of 2009 (the "2009 Act").

The 2009 Act modifies the tax credit for certain energy efficient components that are purchased and installed from January 1, 2009 through December 31, 2010. The tax law requires that certain requirements be met to qualify for the credit. For example, exterior windows, doors and skylights may qualify for the tax credit if they achieve both a U-Factor of 0.30 or lower and a Solar Heat Gain Coefficient ("SHGC") of 0.30 or lower. The components must also be installed in a dwelling unit in the United States that is owned and used by the taxpayer as the taxpayer's principal residence. The original use of the components must commence with the taxpayer, and the component must be expected to remain in use for at least 5 years.

Based on Section 25C of the Internal Revenue Code as amended by the 2009 Act, as well as IRS Notice 2009-53<sup>1</sup>, Andersen has determined, based on ratings certified by the National Fenestration Rating Council (NFRC)<sup>2</sup>, that the following Andersen® products with the specified glass types noted have both (i) a U-Factor rating of 0.30 or lower and (ii) a SHGC value of 0.30 or lower.<sup>3</sup> As a result, we have concluded that each of these products is an "Eligible Building Component" that may qualify for the credit allowed under Section 25C in all climate zones of the United States. Products with special glass options and custom sizes larger than those listed do not qualify at this time.

Under penalties of perjury, I declare that I have examined this 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 "Jay Lund".

Jay Lund  
President, Andersen Window and Door Group

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<sup>1</sup> The information contained in this Statement is based on IRS Notice 2009-53 and the language of the 2009 Act as we understand it as of the date noted above. Andersen may, but is under no obligation to, update this Statement when new information and interpretations from the IRS are obtained. Andersen does not intend to and is not providing legal or tax advice and recommends that purchasers consult with the IRS or their own tax advisors to determine whether they qualify for the tax credit. Andersen bears no responsibility for validating or obtaining the tax credit and expressly disclaims any responsibility for determining whether a particular purchase or application qualifies for the tax credit.

<sup>2</sup> NFRC ratings are based on modeling by a third party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.




<sup>3</sup> This data is accurate as of August 25, 2009. Due to ongoing product changes, ongoing testing and certification and changing industry standards and requirements, this data may change over time. This Statement may also be updated periodically to reflect changes to product ratings.

## Andersen® A-Series Product Performance Values\*

Andersen® Product Line	Product Type	Glass Type	U-Factor	SHGC	
A-Series	Casement Window	Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.1mm) Glass: All Casement Window Sizes Except Sizes Listed Below Which Use 3.9mm Glass			
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.27	
		HP Low-E4® with Finelight™ Grilles	0.28	0.24	
		HP Low-E4® with Full Divided Light Grilles	0.29	0.24	
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.16	
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.15	
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.15	
			HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.18
			HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.16
			HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.16
		Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.9mm) Glass: All Casement Window Sizes ACW2660, ACW2854, ACW2858, ACW2860, ACW21054, ACW21058, ACW21060, ACW3058, ACW3060			
			HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.26
			HP Low-E4® with Finelight™ Grilles	0.28	0.24
			HP Low-E4® with Full Divided Light Grilles	0.29	0.24
			HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.16
			HP Low-E4® Sun with Finelight™ Grilles	0.29	0.15
			HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.15
			HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.18
			HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.16
			HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.16




\* Where a grille type is identified, all grille patterns apply. See separate product listing on page 9 for products with capillary breather tubes used in high altitude regions.

**Andersen® A-Series Product Performance Values\***

Andersen® Product Line	Product Type	Glass Type	U-Factor	SHGC
A-Series	Awning Window	Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.1mm) Glass: All Awning Window Sizes Except Sizes Listed Below Which Use 3.9mm Glass		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.26
		HP Low-E4® with Finelight™ Grilles	0.28	0.23
		HP Low-E4® with Full Divided Light Grilles	0.29	0.23
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.16
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.15
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.15
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.17
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.16
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.16
		Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.9mm) Glass: All Awning Window Sizes AAN5828, AAN5830, AAN6028, AAN6030		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.26
		HP Low-E4® with Finelight™ Grilles	0.28	0.23
		HP Low-E4® with Full Divided Light Grilles	0.29	0.23
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.16
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.14
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.14
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.17
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.16
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.16
A-Series	Double-Hung Window	Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.1mm) Glass: All Double-Hung Sizes Except Tempered Glass in 3.9mm Used for ADH4080 (NFRC data for ADH4080 with 3.9mm Glass is Not Available At This Time)		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.30
		HP Low-E4® with Finelight™ Grilles	0.30	0.27
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.18
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.17
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.20
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.18
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.18




\* Where a grille type is identified, all grille patterns apply. See separate product listing on page 9 for products with capillary breather tubes used in high altitude regions.

**Andersen® A-Series Product Performance Values\***

Andersen® Product Line	Product Type	Glass Type	U-Factor	SHGC
A-Series	Picture Window (Continued on Next Page)	Non-Tempered and Non-Tempered Patterned (3.1mm) Glass: All Picture Window Sizes Except Sizes Listed Below for 3.9mm, 4.7mm or 5.7mm Glass		
		HP Low-E4® with Finelight™ Grilles	0.28	0.28
		HP Low-E4® with Full Divided Light Grilles	0.29	0.28
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.28	0.17
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.17
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.19
		Non-Tempered and Non-Tempered Patterned (3.9mm) Glass: All Picture Window Sizes APW2460, APW2658, APW2660, APW2854, APW2858, APW2860, APW21054, APW21058, APW21060, APW3058, APW3060, APW3260, APW3460, APW3854, APW3858, APW3860, APW4050, APW4054, APW4058, APW4060, APW4448, APW4450, APW4454, APW4458, APW4460, APW4844, APW4848, APW4850, APW4854, APW5040, APW5044, APW5048, APW5050, APW5428, APW5438, APW5440, APW5444, APW5448, APW5828, APW5830, APW5838, APW5840, APW5844, APW6028, APW6030, APW6034, APW6038, APW6040, APW6044		
		HP Low-E4® with Finelight™ Grilles	0.27	0.28
		HP Low-E4® with Full Divided Light Grilles	0.29	0.28
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.28	0.17
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.17
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.19
		Non-Tempered and Non-Tempered Patterned (4.7mm) Glass: All Picture Window Sizes APW4858, APW4860, APW5054, APW5058, APW5060, APW5450, APW5454, APW5458, APW5460, APW5848, APW5850, APW5854, APW5858, APW6048, APW6050, APW6054		
		HP Low-E4® with Finelight™ Grilles	0.29	0.28
		HP Low-E4® with Full Divided Light Grilles	0.29	0.28
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.17
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.17
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.19

\* Where a grille type is identified, all grille patterns apply. See separate product listing on page 9 for products with capillary breather tubes used in high altitude regions.

## Andersen® A-Series Product Performance Values\*

Andersen® Product Line	Product Type	Glass Type	U-Factor	SHGC	
A-Series	Picture Window (Continued)	Tempered and Tempered Patterned (3.1mm) Glass: All Picture Window Sizes Except Sizes Listed Below for 3.9mm, 4.7mm or 5.7mm Glass			
		HP Low-E4® Tempered with Finelight™ Grilles	0.28	0.28	
		HP Low-E4® Tempered with Full Divided Light Grilles	0.29	0.28	
		HP Low-E4® Sun Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.19	
		HP Low-E4® Sun Tempered with Finelight™ Grilles	0.28	0.17	
		HP Low-E4® Sun Tempered with Full Divided Light Grilles	0.29	0.17	
			HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
			HP Low-E4® SmartSun™ Tempered Finelight™ Grilles	0.27	0.19
			HP Low-E4® SmartSun™ Tempered Full Divided Light Grilles	0.28	0.19
		Tempered and Tempered Patterned (3.9mm) Glass: All Picture Window Sizes APW4040, APW4044, APW4048, APW4050, APW4054, APW4058, APW4060, APW4440, APW4444, APW4448, APW4450, APW4454, APW4458, APW4460, APW4840, APW4844, APW4848, APW4850, APW4854, APW4858, APW4860, APW5040, APW5044, APW5048, APW5050, APW5054, APW5058, APW5060, APW5440, APW5444, APW5448, APW5450, APW5840, APW5844, APW5848, APW5850, APW6040, APW6044, APW6048, APW6050			
			HP Low-E4® Tempered with Finelight™ Grilles	0.27	0.28
			HP Low-E4® Tempered with Full Divided Light Grilles	0.29	0.28
			HP Low-E4® Sun Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.19
			HP Low-E4® Sun Tempered with Finelight™ Grilles	0.28	0.17
			HP Low-E4® Sun Tempered with Full Divided Light Grilles	0.29	0.17
			HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
			HP Low-E4® SmartSun™ Tempered Finelight™ Grilles	0.27	0.19
			HP Low-E4® SmartSun™ Tempered Full Divided Light Grilles	0.28	0.19
		Tempered and Tempered Patterned (4.7mm) Glass: All Picture Window Sizes APW5454, APW5458, APW5460, APW5854, APW6054			
			HP Low-E4® Tempered with Finelight™ Grilles	0.29	0.28
			HP Low-E4® Tempered with Full Divided Light Grilles	0.29	0.28
			HP Low-E4® Sun Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.19
			HP Low-E4® Sun Tempered with Finelight™ Grilles	0.30	0.17
			HP Low-E4® Sun Tempered with Full Divided Light Grilles	0.29	0.17
			HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
			HP Low-E4® SmartSun™ Tempered Finelight™ Grilles	0.29	0.19
			HP Low-E4® SmartSun™ Tempered Full Divided Light Grilles	0.29	0.19

\* Where a grille type is identified, all grille patterns apply. See separate product listing on page 9 for products with capillary breather tubes used in high altitude regions.





**Andersen® A-Series Product Performance Values\***

Andersen® Product Line	Product Type	Glass Type	U-Factor	SHGC
A-Series	Venting Transom Window	Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.1mm) Glass: All Venting Transom Window Sizes Except Sizes Listed Below Which Use 3.9mm Glass		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.27
		HP Low-E4® with Finelight™ Grilles	0.28	0.25
		HP Low-E4® with Full Divided Light Grilles	0.29	0.25
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.17
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.15
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.15
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.18
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.16
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.16
		Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.9mm) Glass: All Venting Transom Window Sizes ATV5428, ATV5826, ATV5828, ATV6026, ATV6028		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.27
		HP Low-E4® with Finelight™ Grilles	0.28	0.24
		HP Low-E4® with Full Divided Light Grilles	0.29	0.24
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.16
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.15
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.15
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.18
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.17
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.17








\* Where a grille type is identified, all grille patterns apply. See separate product listing on page 9 for products with capillary breather tubes used in high altitude regions.

## Andersen® A-Series Product Performance Values\*

Andersen® Product Line	Product Type	Glass Type	U-Factor	SHGC
A-Series	Transom Window	Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.1mm) Glass: All Transom Window Sizes Except Sizes Listed Below Which Use 3.9mm Glass Note: Tempered Glass Not Available for ATF1410 and ATF1414 Due To Minimum Dimensions Required For Tempering		
		HP Low-E4® with Finelight™ Grilles	0.28	0.29
		HP Low-E4® with Full Divided Light Grilles	0.29	0.29
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.28	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.18
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.19
		Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.9mm) Glass: All Transom Window Sizes ATF5428, ATF5826, ATF5828, ATF5830, ATF6024, ATF6026, ATF6028, ATF6030, ATF6034		
		HP Low-E4® with Finelight™ Grilles	0.27	0.28
		HP Low-E4® with Full Divided Light Grilles	0.29	0.28
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.28	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.18
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.19
A-Series	Patio Door Transom and Sidelight Transom	Tempered (3.1mm) Glass: All Patio Door Transom and Sidelight Transom Sizes		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.26
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.16
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.17
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.16
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.16
A-Series	Patio Door Sidelight	Tempered (3.1mm) Glass: All Patio Door Sidelight Sizes		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.23
		 HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.15

\* Where a grille type is identified, all grille patterns apply. See separate product listing on page 9 for products with capillary breather tubes used in high altitude regions.

**Andersen® A-Series Product Performance Values\***

Andersen® Product Line	Product Type	Glass Type	U-Factor	SHGC
A-Series	Patio Door Direct Set Transom  	Non- Tempered or Tempered (3.1mm) Glass: All Patio Door Direct Set Transom Sizes Except 8 Foot Wide Which Uses 3.9mm Glass Note: Tempered Glass Not Available for Patio Door Direct Set Transom Sizes FWSLTD1-1310, FWSLTD1-1710, FWSLTD1-1314 Due to Minimum Dimensions Required for Tempering. Data Not Yet Available for 8 Foot Wide Patio Door Direct Set Transom Sizes (3.9mm) Glass		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.21
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.19
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.19
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.22
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.20
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.20
A-Series	Patio Door Venting Transom  	Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.1mm) Glass: All Venting Transom Door Sizes		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.27
		HP Low-E4® with Finelight™ Grilles	0.28	0.25
		HP Low-E4® with Full Divided Light Grilles	0.29	0.25
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.17
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.15
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.15
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.18
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.16
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.16
A-Series	Gliding Patio Door  	Tempered (3.1mm) Glass: All Gliding Door Sizes		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.27
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.18
		Tempered (3.9mm) Glass: All Gliding Door Sizes FWGD4380S, FWGD8080L, FWGD8080R		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.26
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.16
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.18
A-Series	Hinged Patio Door – Inswing 	Tempered (3.1mm) Glass: All Hinged Patio Door Inswing Sizes		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.16
A-Series	Hinged Patio Door – Outswing 	Tempered (3.1mm) Glass: All Hinged Patio Door Outswing Sizes		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.24
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.16

\* Where a grille type is identified, all grille patterns apply. See separate product listing on page 9 for products with capillary breather tubes used in high altitude regions.



**Andersen® A-Series Product Performance Values for Glass Products Ordered with Capillary Breather Tubes for High Altitude Applications\***

Andersen® Product Line	Product Type	Glass Type	U-Factor	SHGC
A-Series	Picture Window with Capillary Breather Tubes	Non-Tempered and Non-Tempered Patterned (3.1mm) Glass: All Picture Window Sizes Except Sizes Listed Below for 3.9mm, 4.7mm or 5.7mm Glass		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.19
		Non-Tempered and Non-Tempered Patterned (3.9mm) Glass: All Picture Window Sizes APW2460, APW2658, APW2660, APW2854, APW2858, APW2860, APW21054, APW21058, APW21060, APW3058, APW3060, APW3260, APW3460, APW3854, APW3858, APW3860, APW4050, APW4054, APW4058, APW4060, APW4448, APW4450, APW4454, APW4458, APW4460, APW4844, APW4848, APW4850, APW4854, APW5040, APW5044, APW5048, APW5050, APW5428, APW5438, APW5440, APW5444, APW5448, APW5828, APW5830, APW5838, APW5840, APW5844, APW6028, APW6030, APW6034, APW6038, APW6040, APW6044		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.19
		Tempered and Tempered Patterned (3.1mm) Glass: All Picture Window Sizes Except Sizes Listed Below for 3.9mm, 4.7mm or 5.7mm Glass		
		HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.21
		HP Low-E4® SmartSun™ Tempered Finelight™ Grilles	0.30	0.19
		Tempered and Tempered Patterned (3.9mm) Glass: All Picture Window Sizes APW4040, APW4044, APW4048, APW4050, APW4054, APW4058, APW4060, APW4440, APW4444, APW4448, APW4450, APW4454, APW4458, APW4460, APW4840, APW4844, APW4848, APW4850, APW4854, APW4858, APW4860, APW5040, APW5044, APW5048, APW5050, APW5054, APW5058, APW5060, APW5440, APW5444, APW5448, APW5450, APW5840, APW5844, APW5848, APW5850, APW6040, APW6044, APW6048, APW6050		
		HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.21
		HP Low-E4® SmartSun™ Tempered Finelight™ Grilles	0.30	0.19
A-Series	Transom Window with Capillary Breather Tubes	Non-Tempered, Tempered and Patterned (Non-Tempered and Tempered) (3.1mm) Glass: All Transom Window Sizes Except Sizes Listed Below Which Use 3.9mm Glass Note: Tempered Glass Not Available for ATF1410 and ATF1414 Due To Minimum Dimensions Required For Tempering		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.22
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.19

\* Where a grille type is identified, all grille patterns apply.