Manufacturer's Certification Statement
Related to
Andersen® 400 Series, 200 Series and Architectural 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 July 15, 2009, identifies Andersen® 400 Series, 200 Series and Architectural exterior windows and exterior doors manufactured by Andersen Corporation ("Andersen") with a glass date of December 2008 or later 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 2006-26[1], Andersen has determined, based on ratings certified by the National Fenestration Rating Council (NFRC)[2], 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.[3] 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.

Jay Lund
President, Andersen Window and Door Group

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[1]As of the date of this document, the IRS has not issued updated guidelines related to the tax credits provided under the 2009 Act. The information contained in this Statement is based on IRS Notice 2006-26 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.

[2] 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.

[3] This data is accurate as of July 15, 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® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Casement Window	Non-Tempered (2.2mm) Glass: All Casement Window Sizes (Except Sizes Listed Below for Non-Tempered and Patterned (3.1mm) Glass)		
		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)	0.29	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.18
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.19
		Non-Tempered (3.1mm) Glass: Casement Window Sizes CX16, CXW15, CXW25, CXW155, CXW16		
		HP Low-E4® with Finelight™ Grilles	0.30	0.29
		HP Low-E4® with Full Divided Light Grilles	0.30	0.29
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.18
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	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
		Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Casement Window Sizes		
		HP Low-E4® Tempered with Finelight™ Grilles	0.30	0.29
		HP Low-E4® Tempered with Full Divided Light Grilles	0.30	0.29
		HP Low-E4® Sun Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		HP Low-E4® Sun Tempered with Finelight™ Grilles	0.30	0.18
		HP Low-E4® Sun Tempered with Full Divided Light Grilles	0.30	0.18
		HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	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

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
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Andersen® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Awning Window	Non-Tempered (2.2mm) Glass: All Awning Window Sizes (Except Sizes Listed Below for Non-Tempered and Patterned (3.1mm) Glass)		
		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)	0.29	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.19
		Non-Tempered (3.1mm) Glass: Awning Window Sizes AX61, AXW51, AXW551, AXW61, AP32V, AP352V, AP42V		
		HP Low-E4® with Finelight™ Grilles	0.30	0.28
		HP Low-E4® with Full Divided Light Grilles	0.30	0.28
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	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
		All Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Awning Window Sizes		
		HP Low-E4® Tempered with Finelight™ Grilles	0.30	0.28
		HP Low-E4® Tempered with Full Divided Light Grilles	0.30	0.28
		HP Low-E4® Sun Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.19
		HP Low-E4® Sun Tempered with Finelight™ Grilles	0.30	0.18
		HP Low-E4® Sun Tempered with Full Divided Light Grilles	0.30	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	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

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
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Andersen® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Casement/Awning Picture and Casement One Foot Transom Window	Non-Tempered, Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Casement One Foot Transom (CTR and PTR) Windows All Casement/Awning Picture Window Sizes (Except Sizes Listed Below for (3.9mm) Glass)		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
		HP Low-E4® Sun with Finelight™ Grilles	0.27	0.19
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.19
	EcoExcel™ Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.26	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.26	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.21
		Non-Tempered, Tempered and Patterned (Including Tempered Patterned) (3.9mm) Glass: Casement/Awning Picture Window Sizes: P4060/6040, P4555/5545, P4560/6045, P5050, P5055/5550, P5060/6050		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.21
		HP Low-E4® Sun with Finelight™ Grilles	0.27	0.19
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.19
	EcoExcel™ Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.26	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.26	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.21
400 Series	Tilt-Wash Double-Hung Window	Non-Tempered (2.2mm) Glass: All Tilt-Wash Double-Hung Window Sizes		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.19
	EcoExcel™ Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.19
		Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Tilt-Wash Double-Hung Window Sizes		
	EcoExcel™ Energy Performance Package	HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.21
400 Series	Tilt-Wash Transom Window	Non-Tempered, Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Tilt-Wash Transom Window Sizes		
		HP Low-E4® with Finelight™ Grilles	0.26	0.29
		HP Low-E4® with Full Divided Light Grilles	0.28	0.29
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.27	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.28	0.18
	EcoExcel™ Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.26	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.26	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.27	0.19

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Andersen® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Tilt-Wash Double-Hung Picture Window	Non-Tempered, Tempered (3.1mm) Glass: Tilt-Wash Double-Hung Picture Window Sizes: Includes DHP 30310, DHP 3042, DHP 3046, DHP 30410, DHP 3052, DHP 3056, DHP 34310, DHP 3442, DHP 3446, DHP 34410, DHP 3452, DHP 3456, DHP 310310, DHP 31042, DHP 31046, DHP 31052, DHP 42310, DHP 4242		
		HP Low-E4® with Finelight™ Grilles	0.30	0.30
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.18
		EcoExcel Energy Performance Package® — HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.22
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.20
		Non-Tempered and Tempered (3.9mm) Glass: Includes Tilt-Wash Double-Hung Picture Window Sizes: DHP10310, DHP1042, DHP1046, DHP10410, DHP1052, DHP1056, DHP10510, DHP1062, DHP30510, DHP3062, DHP34510, DHP3462, DHP310410, DHP31056, DHP310510, DHP31062, DHP4246, DHP42410, DHP4252, DHP4256, DHP42510, DHP4262, DHP410310, DHP41042, DHP41046, DHP410410, DHP41052, DHP56310, DHP5642, DHP5646		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		EcoExcel Energy Performance Package® — HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.22
		Non-Tempered and Tempered (4.7mm) Glass: Includes Tilt-Wash Double-Hung Picture Window Sizes: DHP41056, DHP410510, DHP41062, DHP56410, DHP5652, DHP5656, DHP56510, DHP5662		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		EcoExcel Energy Performance Package® — HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.22
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.20
		Patterned (Non-Tempered and Tempered) Glass: All Tilt-Wash Double-Hung Picture Window Sizes		
		HP Low-E4® with Finelight™ Grilles	0.30	0.30
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.18
		EcoExcel Energy Performance Package® — HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.22
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.20
400 Series	Gliding Window	Non-Tempered (2.2mm) Glass: All Gliding Window Sizes		
		EcoExcel Energy Performance Package® — HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.18
		Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Gliding Window Sizes		
		EcoExcel Energy Performance Package® — HP Low-E4® SmartSun™ Tempered (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20

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Andersen® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Woodwright® Full-Frame Double-Hung Window (Rectangle Shapes Only)	Non-Tempered and Tempered (3.1mm) Glass: All Rectangular Woodwright® Full-Frame Double-Hung Window Sizes (Except for Patterned (3.9mm) Glass Listed Below)		
		HP Low-E4® with Finelight™ Grilles	0.30	0.28
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.17
	EcoExcel Energy Performance Package	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
		Patterned Glass (Includes Non-Tempered or Tempered): All Rectangular Woodwright® Full-Frame Double-Hung Window Sizes		
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.21
400 Series	Woodwright® Full-Frame Transom Window	Non-Tempered and Tempered (3.1mm) Glass: All Woodwright® Full-Frame Transom Window Sizes (Except for Patterned Glass Listed Below)		
		HP Low-E4® with Finelight™ Grilles	0.28	0.30
		HP Low-E4® with Full Divided Light Grilles	0.29	0.30
		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	0.30	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.22
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.20
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.20
		Patterned (Non-Tempered and Tempered) Glass: All Woodwright® Full-Frame Transom Window Sizes		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.20
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.22

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Andersen® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Woodwright® Full-Frame Picture Window	Non-Tempered and Tempered (3.1mm) Glass: All Woodwright® Full-Frame Picture Window Sizes up to 15 Square Feet		
		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	0.19
		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	0.29	0.19
		Non-Tempered and Tempered (3.9mm) Glass: All Woodwright® Full-Frame Picture Window Sizes between 15 Square Feet and 24 Square Feet		
		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	0.29	0.19
		Non-Tempered and Tempered (4.7mm) Glass: All Woodwright® Full-Frame Picture Window Sizes Between 24 Square Feet and 36 Square Feet		
		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	0.29	0.19
		Patterned (Non-Tempered and Tempered) Glass: All Woodwright® Full-Frame Picture Window Sizes		
		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	0.29	0.19

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Andersen® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Woodwright® Insert Double-Hung Window	Non-Tempered and Tempered (3.1mm) Glass: All Woodwright® Insert Double-Hung Window Sizes (Except for Patterned Glass Listed Below)		
		HP Low-E4® with Finelight™ Grilles	0.30	0.28
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.19
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.17
		EcoExcel HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.19
		Patterned (Non-Tempered and Tempered) Glass: All Woodwright® Insert Double-Hung Window Sizes		
		EcoExcel HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.21
400 Series	Woodwright® Insert Transom Window	Non-Tempered and Tempered (3.1mm) Glass: All Woodwright® Insert Transom Window Sizes (Except for Patterned Glass Listed Below)		
		HP Low-E4® with Finelight™ Grilles	0.29	0.30
		HP Low-E4® with Full Divided Light Grilles	0.30	0.30
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.18
		EcoExcel HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.22
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.20
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.20
		Patterned (Non-Tempered and Tempered) Glass: All Woodwright® Insert Transom Window Sizes		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.20
		EcoExcel HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.22

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
** Where a grille type is identified, all grille patterns apply.

Andersen® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Woodwright® Insert Picture Window	Non-Tempered and Tempered (3.1mm) Glass: All Woodwright® Insert Picture Window Sizes Up To 15 Square feet and smaller		
		HP Low-E4® with Finelight™ Grilles	0.29	0.29
		HP Low-E4® with Full Divided Light Grilles	0.30	0.29
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.29	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.19
		Non-Tempered and Tempered (3.9mm) Glass: All Woodwright® Insert Picture Window Sizes Between 15 Square Feet and 24 Square Feet		
		HP Low-E4® with Finelight™ Grilles	0.29	0.29
		HP Low-E4® with Full Divided Light Grilles	0.30	0.29
		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	0.29	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.19
		Non-Tempered and Tempered (4.7mm) Glass: All Woodwright® Insert Picture Window Sizes Between 24 Square Feet and 36 Square Feet		
		HP Low-E4® with Finelight™ Grilles	0.28	0.29
		HP Low-E4® with Full Divided Light Grilles	0.30	0.29
		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	0.29	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.19
		Patterned (Non-Tempered and Tempered) Glass: All Woodwright® Insert Picture Window Sizes		
		HP Low-E4® with Finelight™ Grilles	0.29	0.29
		HP Low-E4® with Full Divided Light Grilles	0.30	0.29
		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	0.29	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.19

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
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Andersen® 400 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Springline™, Springline Flanker and Enhancement Window	Non-Tempered and Tempered (5.7mm) and Patterned (Non-Tempered and Tempered 5.7mm/3.1mm) Glass: All Springline™, Springline Flanker and Enhancement Window Sizes (including Full Chord, Gothic, Monumental Quarter Round (QR), Monumental Full Round (FR) and Standard Octagon)		
		EcoExcel Energy Performance Package· HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.23
400 Series	Elliptical Window	Non-Tempered and Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Elliptical Window Sizes		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	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
		EcoExcel Energy Performance Package· HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.20
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.20
400 Series	Arch Window (Both Standard & Custom Up to 60 Square Feet)	Non-Tempered and Tempered (5.7mm) Glass: All Arch and Custom Arch (up to 60 square feet) Window Sizes Patterned (Non-Tempered and Tempered 5.7mm/3.1mm) Glass: All Arch and Custom Arch (up to 60 square feet) Window Sizes		
		HP Low-E4® with Finelight™ Grilles	0.30	0.30
		HP Low-E4® with Full Divided Light Grilles	0.30	0.30
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.18
		EcoExcel Energy Performance Package· HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.29	0.21

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
** Where a grille type is identified, all grille patterns apply.

Andersen® 400 Series and Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Circle Top™ Casement Window	Non-Tempered (2.2mm) Glass: Circle Top™ Casement Window Sizes: CTC1, CTCW1, CTCX1, CTCXW1, CTQC1, CTQCW1, CTQCX1, CTQA3		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® Sun with Finelight™ Grilles	0.28	0.19
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.19
		EcoExcel Energy Performance Package™ HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.21
		Non-Tempered (3.1mm) Glass: Circle Top™ Casement Window Sizes: CTC2, CTCW2, CTCX2, CTC3 Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Circle Top™ Casement Window Sizes		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® Sun with Finelight™ Grilles	0.28	0.19
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.19
		EcoExcel Energy Performance Package™ HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.21
400 Series	Circle/Oval Window	Non-Tempered (2.2mm) Glass: Circle/Oval Sizes: CIR20, CIR24, CIR30, OVL1824, OVL2030		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® Sun with Finelight™ Grilles	0.28	0.19
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.19
		EcoExcel Energy Performance Package™ HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.21
		Non-Tempered (3.1mm) Glass: Circle/Oval Sizes: OVL3048 Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Circle/Oval Window Sizes. (See Springline Windows for FR and QR products)		
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.21
		HP Low-E4® Sun with Finelight™ Grilles	0.28	0.19
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.19
		EcoExcel Energy Performance Package™ HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.27	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.21

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
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Andersen® 400 Series and Architectural Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Flexiframe® Window	Non-Tempered and Tempered (5.7mm) Glass: All Flexiframe® Window Sizes		
		HP Low-E4® with Finelight™ Grilles	0.29	0.30
		HP Low-E4® with Full Divided Light Grilles	0.29	0.30
		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	0.29	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.29	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.21
		Patterned (Non-Tempered and Tempered 5.7mm/3.1mm) Glass: All Flexiframe® Window Sizes		
		HP Low-E4® with Finelight™ Grilles	0.29	0.30
		HP Low-E4® with Full Divided Light Grilles	0.29	0.30
		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	0.29	0.18
		HP Low-E4® Sun with Full Divided Light Grilles	0.30	0.18
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.27	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.28	0.21
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.28	0.21
400 Series	Frenchwood® Gliding Patio Door	Tempered (3.1mm) Glass: All Frenchwood® Gliding Patio Door Sizes (Except Sizes Listed Below for Tempered (3.9mm) Glass)		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.27
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.18
		Tempered (3.9 mm) Glass: Frenchwood® Gliding Patio Door Sizes FWG4368, FWG8068, FWG16068, FWG43611, FWG80611, FWG160611, FWG4380, FWG8080, FWG16080		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.26
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.18
400 Series	Frenchwood® Hinged Patio Door-Inswing	Tempered (3.1mm) Glass: All Frenchwood® Hinged Patio Door-Inswing Sizes		
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.16
400 Series	Frenchwood® Hinged Patio Door-Outswing	Tempered (3.1mm) Glass: All Frenchwood® Hinged Patio Door-Outswing Sizes		
	EcoExcel Energy Performance Package	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.17

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
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Andersen® 400 Series, Architectural and 200 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Frenchwood® Patio Door Transom	Non-Tempered and Tempered (3.1mm) Glass: All Frenchwood® Patio Door Transom Sizes		
		HP Low-E4® (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.24
		HP Low-E4® with Finelight™ Grilles	0.30	0.21
		HP Low-E4® with Full Divided Light Grilles	0.30	0.21
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.15
	EcoExcel Energy Performance Package™	HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.16
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.14
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.14
Architectural	Specialty Window (up to 45 Square Feet)	Non-Tempered and Tempered (3.1mm) Glass: All Specialty Window Sizes up to 45 Square Feet		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.24
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.22
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.22
200 Series	Tilt-Wash Double-Hung Window	Non-Tempered (2.2mm) Glass: All Tilt-Wash Double-Hung Window Sizes		
		Low-E with Finelight™ Grilles	0.30	0.29
200 Series	Narroline® Transom Window	Non-Tempered (2.2mm) Glass: All Narroline® Transom Window Sizes		
		Low-E with Finelight™ Grilles	0.28	0.30
		Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Narroline® Transom Window Sizes		
		Low-E Tempered with Finelight™ Grilles	0.30	0.30
200 Series	Gliding Window	Non-Tempered (2.2mm) Glass: All Gliding Window Sizes		
		Low-E with Finelight™ Grilles	0.30	0.29

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
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Andersen® 200 Series Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
200 Series	Fixed, Transom, Circle Top™ Window	Non-Tempered (3.1mm) Glass: Fixed Window Sizes: FX3030, FX3040/4030, FX3046/4630, FX3049/4930, FX3050/5030, FX3056/5630, FX3060/6030, FX4040, FX4046/4640, FX4049/4940, FX4050/5040, FX4056/5640, FX4646, FX4649/4946, FX4650/5046, FX4949, FX4950/5049		
		Low-E with Finelight™ Grilles	0.28	0.30
		Tempered (3.1mm) Glass: Fixed Window Sizes: FX3030, FX3040/4030, FX3046/4630, FX3049/4930, FX3050/5030, FX3056/5630, FX3060/6030		
		Low-E Tempered with Finelight™ Grilles	0.28	0.30
		Non-Tempered (3.9mm) Glass: Fixed Window Sizes: FX4060/6040, FX4656/5646, FX4660/6046, FX4956/5649, FX4960/6049, FX5050, FX5056/5650, FX5060/6050		
		Low-E with Finelight™ Grilles	0.29	0.29
		Tempered (3.9mm) Glass: Fixed Window Sizes: FX4040, FX4046/4640, FX4049/4940, FX4050/5040, FX4056/5640, FX4060/6040, FX4646, FX4649/4946, FX4650/5046, FX4656/5646, FX4660/6046, FX4949, FX4950/5049, FX4956/5649, FX4960/6049, FX5050, FX5056/5650, FX5060/6050		
		Low-E Tempered with Finelight™ Grilles	0.29	0.29
		Non-Tempered and Tempered (3.1mm) Glass: All Transom Window Sizes All Circle Top™ Window Sizes		
		Low-E with Finelight™ Grilles	0.28	0.30
		Patterned (Non-Tempered and Tempered) Glass: All Transom Window Sizes, All Circle Top™ Window Sizes All Fixed Window Sizes		
		Low-E with Finelight™ Grilles	0.28	0.30
200 Series	Narroline® Gliding Patio Door	Tempered and Tempered Patterned (3.1mm) Glass: All Narroline® Gliding Patio Door Sizes (Except Sizes Listed Below for Tempered (3.9mm) Glass)		
		Low-E Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		Low-E SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.21
		Low-E SmartSun™ with Finelight™ Grilles	0.30	0.19
		Tempered (3.9mm) Glass for the Following Narroline® Gliding Patio Door Sizes: NLGD2980, NLGD3380, NLGD4380, NLGD5080, NLGD6080, NLGD8080, NLGD10080, NLGD12080, NLGD16080		
		Low-E Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		Low-E SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.22
		Low-E SmartSun™ with Finelight™ Grilles	0.30	0.19
200 Series	Perma-Shield® Gliding Patio Door	Tempered and Tempered Patterned (3.9mm) Glass: All Perma-Shield® Gliding Patio Door Sizes		
		Low-E with Finelight™ Grilles	0.30	0.29
		Low-E Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.20
		Low-E SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.28	0.22
		Low-E SmartSun™ with Finelight™ Grilles	0.30	0.19

*See separate product listing on page 15 for products with capillary breather tubes used in high altitude regions. Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
** Where a grille type is identified, all grille patterns apply.

Andersen® Conversion Kit Product Performance Values*

Andersen® Product Line	Product Type	Glass Type**	U-Factor	SHGC
400 Series	Narroline® to Tilt-Wash Double-Hung Window Conversion Kits	Non-Tempered (2.2mm) Glass: All Tilt-Wash Double-Hung Window Sizes		
		HP Low-E4® with Finelight™ Grilles	0.30	0.28
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.19
		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	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.19
		HP Low-E4® SmartSun™ with Full Divided Light Grilles	0.30	0.19
		Tempered and Patterned (Non-Tempered and Tempered) (3.1mm) Glass: All Tilt-Wash Double-Hung Window Sizes		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.21

Andersen® 400 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
400 Series	Casement/Awning Picture and Casement One Foot Transom Window with Capillary Breather Tubes	Non-Tempered, Tempered and Patterned (Including Tempered Patterned) (3.1mm or 3.9mm) Glass: All Casement/Awning, Picture Window Sizes and All Casement One Foot Transom Window Sizes		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.21
400 Series	Woodwright® Full-Frame Picture Window with Capillary Breather Tubes	Non-Tempered and Tempered (3.1mm) Glass: All Woodwright® Full-Frame Picture Window Sizes Up to 15 Square Feet		
		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 Tempered (3.9mm) Glass: All Woodwright® Full-Frame Picture Window Sizes Between 15 Square Feet and 24 Square Feet		
		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	0.20
		Non-Tempered and Tempered (4.7mm) Glass: All Woodwright® Full-Frame Picture Window Sizes Between 24 Square Feet and 36 Square Feet		
		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	0.20
		Patterned (Non-Tempered and Tempered) Glass: All Woodwright® Full-Frame Picture Window Sizes		
		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	0.20

Andersen® 400 Series Product Performance Values for Glass Products Ordered with Capillary Breather Tubes for High Altitude Applications*

400 Series	Tilt-Wash Transom Window with Capillary Breather Tubes	Non-Tempered, Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Tilt-Wash Transom Window Sizes		
		HP Low-E4® with Finelight™ Grilles	0.30	0.29
		HP Low-E4® Sun (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.20
		HP Low-E4® Sun with Finelight™ Grilles	0.30	0.18
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.29	0.21
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.29	0.19
400 Series	Circle Top™ Casement Window with Capillary Breather Tubes	Non-Tempered (2.2mm) Glass: Circle Top™ Casement Window Sizes: CTC1, CTCW1, CTCX1, CTCXW1, CTQC1, CTQCW1, CTQCX1, CTQA3		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.21
		Non-Tempered (3.1mm) Glass: Circle Top™ Casement Window Sizes: CTC2, CTCW2, CTCX2, CTC3 Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Circle Top™ Casement Window Sizes		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.21
400 Series	Circle/Oval Window with Capillary Breather Tubes	Non-Tempered (2.2mm) Glass: Circle/Oval Sizes: CIR20, CIR24, CIR30, OVL1824, OVL2030		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.21
		Non-Tempered (3.1mm) Glass: Circle/Oval Sizes: OVL3048 Tempered and Patterned (Including Tempered Patterned) (3.1mm) Glass: All Circle/Oval Window Sizes. (See Springline Windows for FR and QR products)		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.23
		HP Low-E4® SmartSun™ with Finelight™ Grilles	0.30	0.21
400 Series	Flexiframe® Window with Capillary Breather Tubes	Non-Tempered and Tempered (5.7mm) and Patterned (Non-Tempered and Tempered 5.7mm/3.1mm) Glass: All Flexiframe® Window Sizes		
		HP Low-E4® SmartSun™ (No Grilles, with Removable Grilles or with Simulated Divided Light (SDL) Grilles)	0.30	0.23

*Andersen® windows and doors with Stormwatch® protection are not included in this Manufacturer's Certification Statement.
** Where a grille type is identified, all grille patterns apply.