

As part of the American Recovery and Reinvestment Act of 2009, a Federal Tax Credit of up to 30% of the purchase price with a maximum credit of \$1,500 is offered for qualifying improvements (windows, doors, insulation, furnace, etc) to non-business properties (homes). The credit is combined over 2009 and 2010 for eligible and qualifying products purchased and installed from January 1, 2009 thru December 31, 2010.

Windows and doors meeting the following criteria are eligible:

1) a U-Factor of less than or equal to 0.30
and

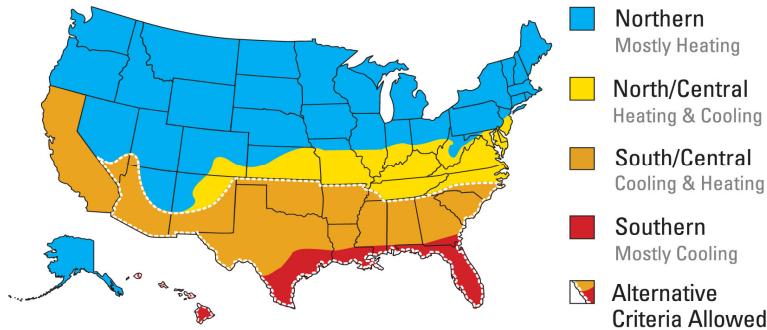
2) a Solar Heat Gain Coefficient (SHGC) of less than or equal to 0.30.



These products rated, certified, and labeled by National Fenestration Rating Council® (NFRC) - a non-profit organization that provides fair, accurate and credible energy performance ratings for windows and doors.



These products meet stringent energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. These guidelines are based on the heat gain and loss of each product in various regions of the country.



For NFRC certified total unit performance for units with capillary breather tubes, please refer to the High Altitude information.

"High-Performance Low-E4" (HP Low-E4) and "High-Performance Low-E4 Sun" (HP Low-E4 Sun) are Andersen trademarks for "Low-E" glass.

1 U-Factor defines the amount of heat loss through the total unit in BTU/hr sq. ft2. °F.
The lower the value, the less heat is lost through the entire product.

2 Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward.
The lower the value, the less heat is transmitted through the product.


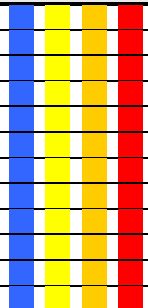
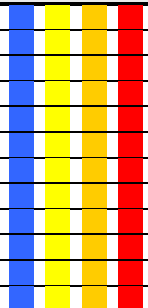
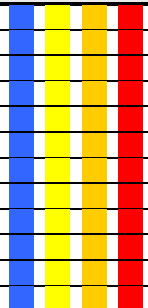
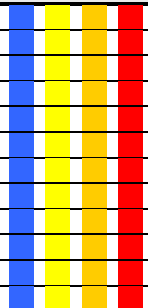
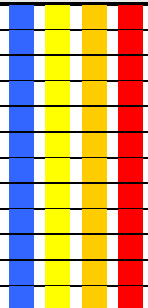
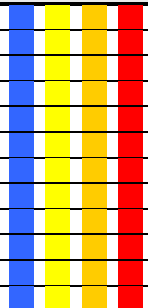
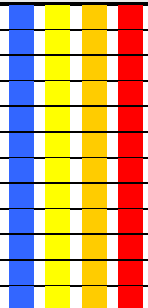
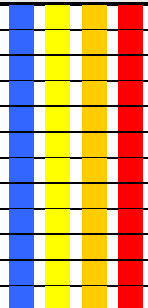
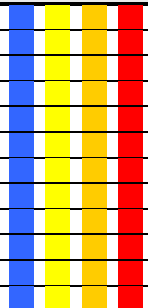
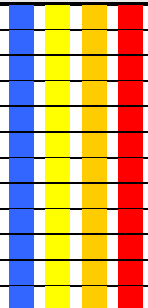
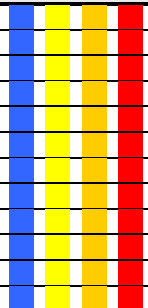
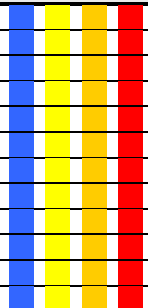
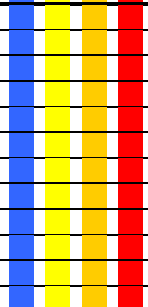
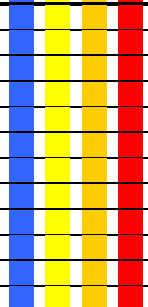
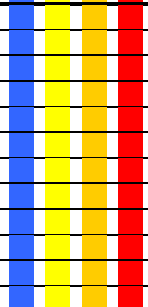
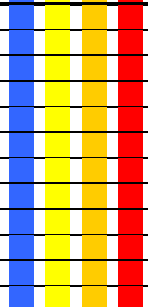
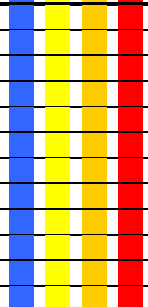
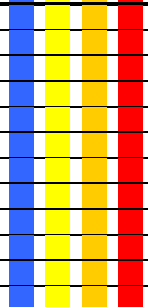
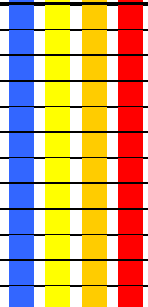
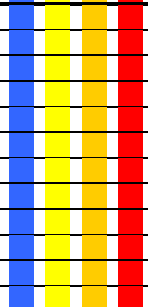
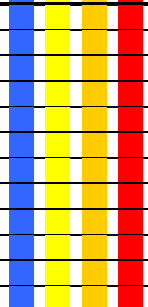
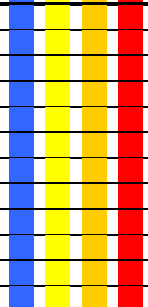
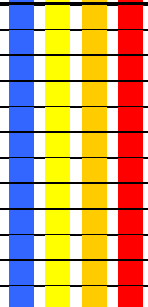
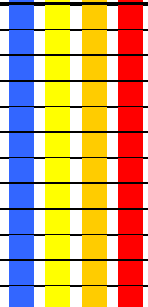
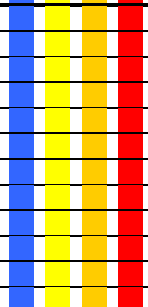
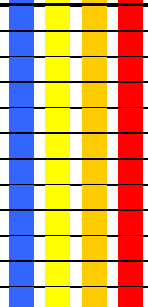
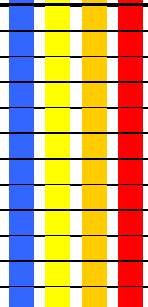
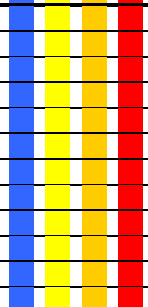
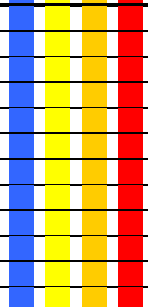
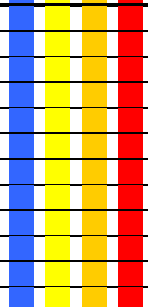
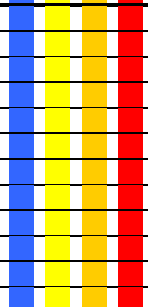
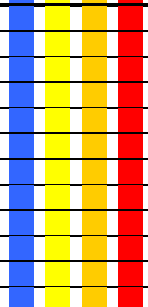
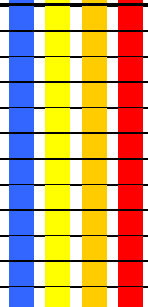
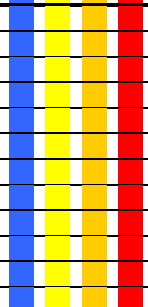
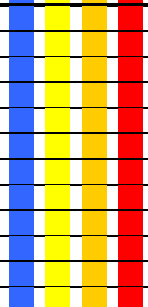
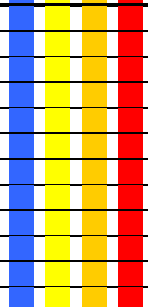
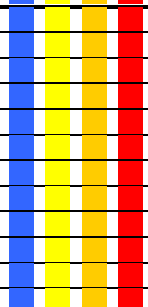
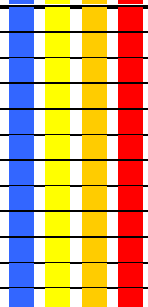
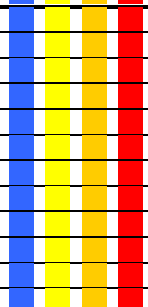
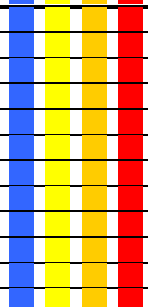
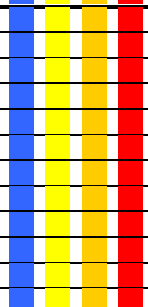
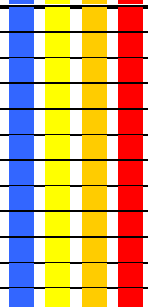
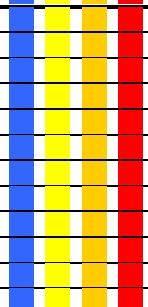
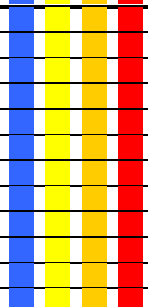
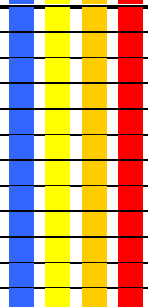
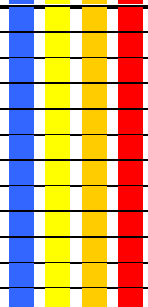
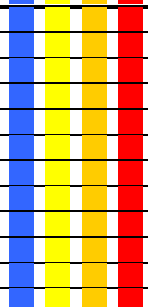
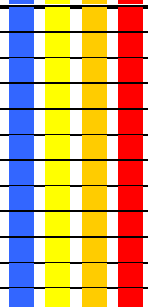
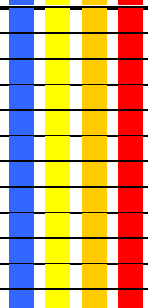
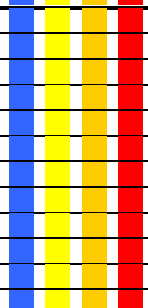
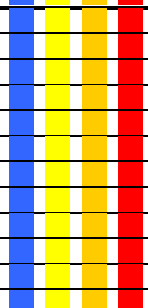
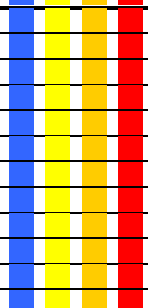
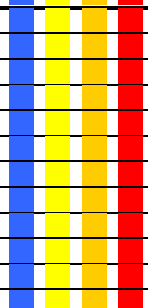
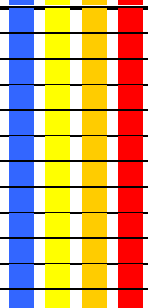
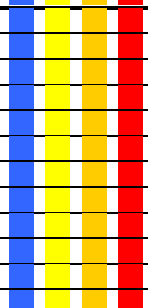
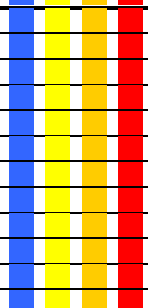
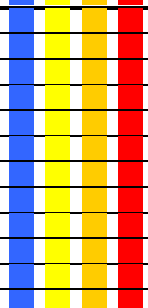
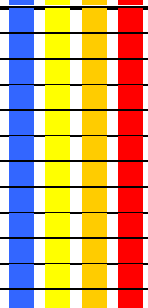
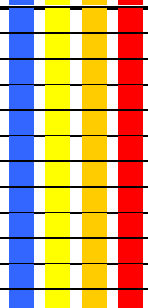
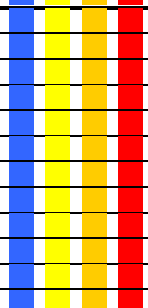
3 Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area.
Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

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

This data is accurate as of February 18, 2009. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time






























































The National Fenestration Rating Council logo is a registered trademark of the National Fenestration Rating Council. All rights reserved.
"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency. "Renewal by Andersen" and the Renewal by Andersen logo are registered trademarks of Andersen Corporation. All other marks where denoted are marks of Andersen Corporation.
©2009 Andersen Corporation. All rights reserved. Rev. 02/09

Product Performance and ENERGY STAR® qualification.
(See separate product listing for products used in high altitude regions)

Product Type (NFRC Size)	Glass Type with applicable grille option Standard or Tempered Glass	U-Factor ¹	SHGC ²	VT ³		Meets Both U-Factor of 0.30 or lower and SHGC of 0.30 or lower.
Renewal by Andersen® Casement Full Frame Window (24" x 59")	HP Low-E4®	0.29	0.28	0.48		YES
	HP Low-E4® Interior Wood Grilles	0.29	0.28	0.48		YES
	HP Low-E4® Grilles between the Glass	0.29	0.26	0.44		YES
	HP Low-E4® Full Divided Lite Grilles	0.30	0.26	0.44		YES
	HP Low-E4® Sun	0.30	0.18	0.27		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.18	0.27		YES
	HP Low-E4® Sun Grilles between the Glass	0.30	0.16	0.24		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.31	0.16	0.24		NO
	HP Low-E4® SmartSun™	0.29	0.19	0.43		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.19	0.43		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.29	0.17	0.39		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.30	0.17	0.39		YES	
Renewal by Andersen® Casement Insert Window (24" x 59")	HP Low-E4®	0.30	0.28	0.48		YES
	HP Low-E4® Interior Wood Grilles	0.30	0.28	0.48		YES
	HP Low-E4® Grilles between the Glass	0.30	0.26	0.44		YES
	HP Low-E4® Full Divided Lite Grilles	0.31	0.26	0.44		NO
	HP Low-E4® Sun	0.30	0.18	0.27		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.18	0.27		YES
	HP Low-E4® Sun Grilles between the Glass	0.30	0.16	0.24		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.31	0.16	0.24		NO
	HP Low-E4® SmartSun™	0.29	0.19	0.43		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.19	0.43		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.29	0.18	0.39		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.30	0.18	0.39		YES	
Renewal by Andersen® Awning Full Frame Window (59" x 24")	HP Low-E4®	0.29	0.28	0.48		YES
	HP Low-E4® Interior Wood Grilles	0.29	0.28	0.48		YES
	HP Low-E4® Grilles between the Glass	0.29	0.26	0.44		YES
	HP Low-E4® Full Divided Lite Grilles	0.30	0.26	0.44		YES
	HP Low-E4® Sun	0.30	0.18	0.27		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.18	0.27		YES
	HP Low-E4® Sun Grilles between the Glass	0.30	0.16	0.24		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.30	0.16	0.24		YES
	HP Low-E4® SmartSun™	0.29	0.19	0.43		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.19	0.43		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.29	0.17	0.39		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.29	0.17	0.39		YES	
Renewal by Andersen® Awning Insert Window (59" x 24")	HP Low-E4®	0.30	0.28	0.48		YES
	HP Low-E4® Interior Wood Grilles	0.30	0.28	0.48		YES
	HP Low-E4® Grilles between the Glass	0.30	0.26	0.44		YES
	HP Low-E4® Full Divided Lite Grilles	0.30	0.26	0.44		YES
	HP Low-E4® Sun	0.30	0.18	0.27		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.18	0.27		YES
	HP Low-E4® Sun Grilles between the Glass	0.30	0.16	0.24		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.31	0.16	0.24		NO
	HP Low-E4® SmartSun™	0.29	0.19	0.43		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.19	0.43		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.29	0.17	0.39		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.30	0.17	0.39		YES	
Renewal by Andersen® Double-Hung Full Frame Window (47" x 59")	HP Low-E4®	0.30	0.31	0.53		NO
	HP Low-E4® Interior Wood Grilles	0.30	0.31	0.53		NO
	HP Low-E4® Grilles between the Glass	0.30	0.28	0.47		YES
	HP Low-E4® Full Divided Lite Grilles	0.31	0.28	0.47		NO
	HP Low-E4® Sun	0.30	0.19	0.29		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.19	0.29		YES
	HP Low-E4® Sun Grilles between the Glass	0.30	0.17	0.26		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.31	0.17	0.26		NO
	HP Low-E4® SmartSun™	0.29	0.20	0.47		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.20	0.47		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.29	0.19	0.42		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.30	0.19	0.42		YES	


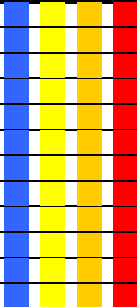
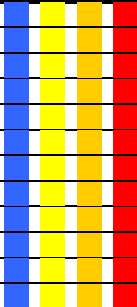
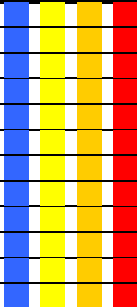
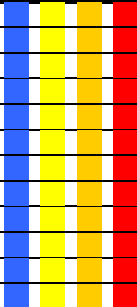
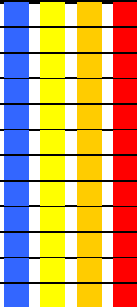
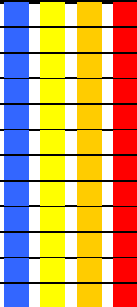
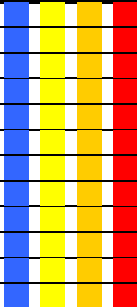
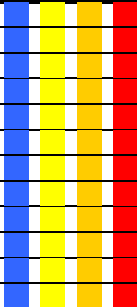
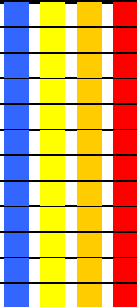
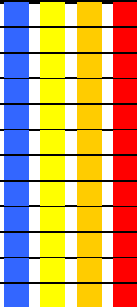
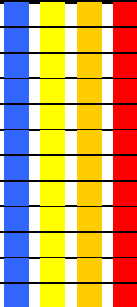
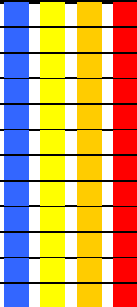
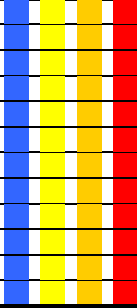
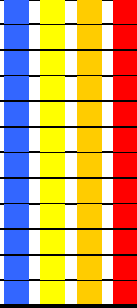
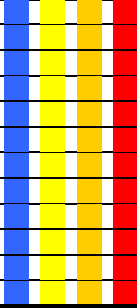
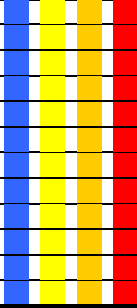
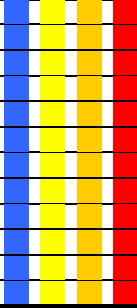
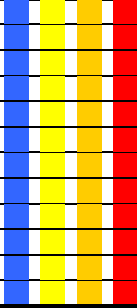
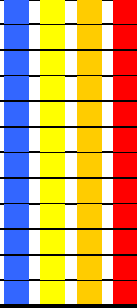
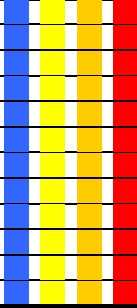
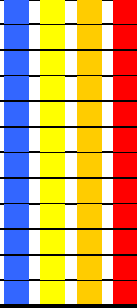
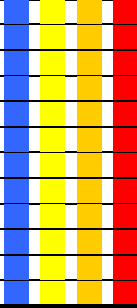
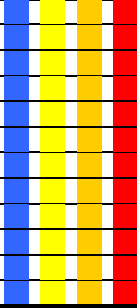
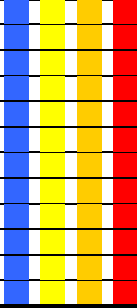
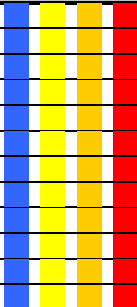
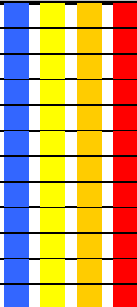
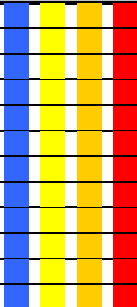
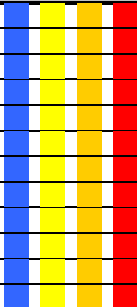
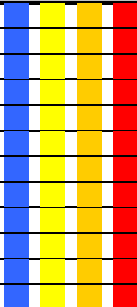
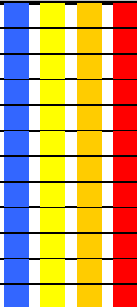
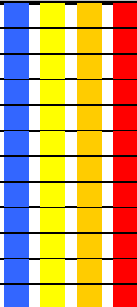
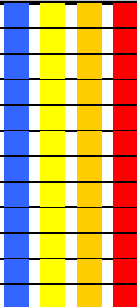
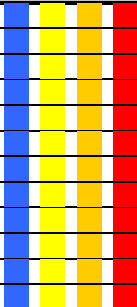
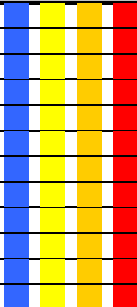
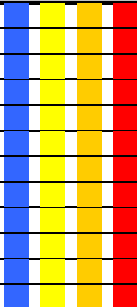
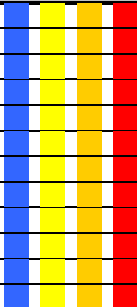
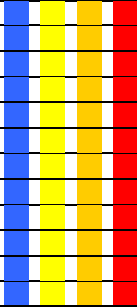
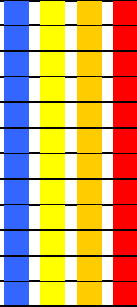
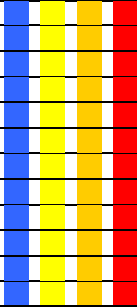
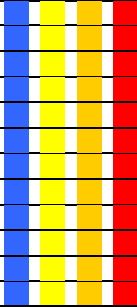
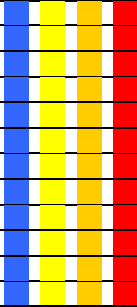
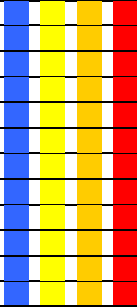
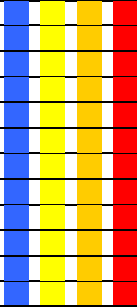
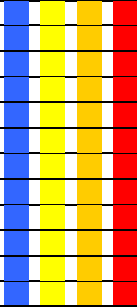
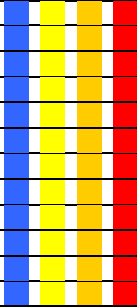
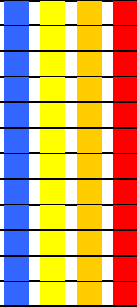
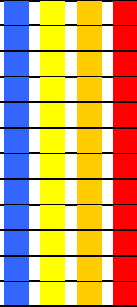
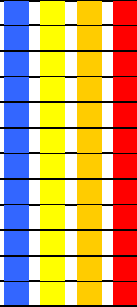
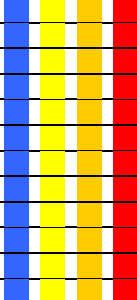
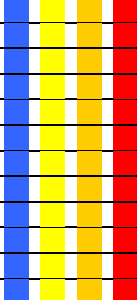
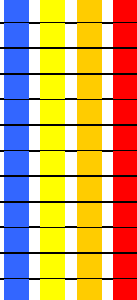
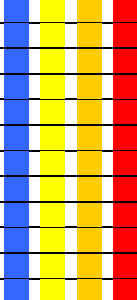
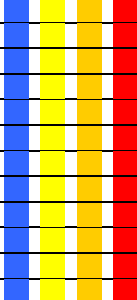
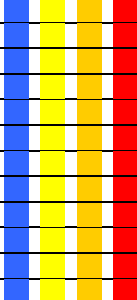
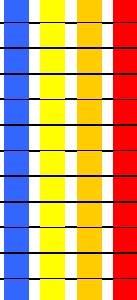
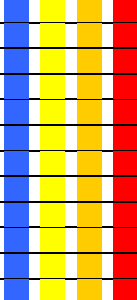
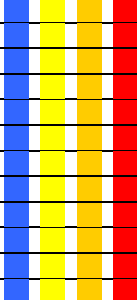
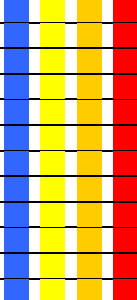
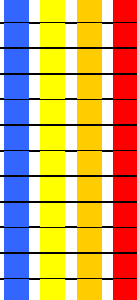
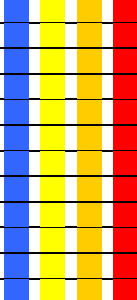
ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. "Renewal by Andersen" and the Renewal by Andersen logo are registered trademarks of Andersen Corporation. All other marks where denoted are marks of Andersen Corporation.
©2009 Andersen Corporation. All rights reserved. Rev. 02/09

Product Performance and ENERGY STAR® qualification.
(See separate product listing for products used in high altitude regions)

Product Type (NFRC Size)	Glass Type Standard or Tempered Glass Grilles = Full Divided Lite	U-Factor ¹	SHGC ²	VT ³		Meets Both U-Factor of 0.30 or lower and SHGC of 0.30 or lower.
Renewal by Andersen® Double-Hung Insert Window (47" x 59")	HP Low-E4®	0.30	0.31	0.53		NO
	HP Low-E4® Interior Wood Grilles	0.30	0.31	0.53		NO
	HP Low-E4® Grilles between the Glass	0.30	0.28	0.47		YES
	HP Low-E4® Full Divided Lite Grilles	0.31	0.28	0.47		NO
	HP Low-E4® Sun	0.30	0.19	0.30		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.19	0.30		YES
	HP Low-E4® Sun Grilles between the Glass	0.30	0.17	0.26		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.31	0.17	0.26		NO
	HP Low-E4® SmartSun™	0.29	0.21	0.48		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.21	0.48		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.29	0.19	0.42		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.30	0.19	0.42		YES	
Renewal by Andersen® Gliding Full Frame Window (59" x 47")	HP Low-E4®	0.30	0.32	0.54		NO
	HP Low-E4® Interior Wood Grilles	0.30	0.32	0.54		NO
	HP Low-E4® Grilles between the Glass	0.30	0.28	0.48		YES
	HP Low-E4® Full Divided Lite Grilles	0.31	0.28	0.48		NO
	HP Low-E4® Sun	0.30	0.19	0.30		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.19	0.30		YES
	HP Low-E4® Sun Grilles between the Glass	0.30	0.18	0.27		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.32	0.18	0.27		NO
	HP Low-E4® SmartSun™	0.29	0.21	0.49		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.21	0.49		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.29	0.19	0.43		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.31	0.19	0.43		NO	
Renewal by Andersen® Gliding Insert Window (59" x 47")	HP Low-E4®	0.30	0.31	0.54		NO
	HP Low-E4® Interior Wood Grilles	0.30	0.31	0.54		NO
	HP Low-E4® Grilles between the Glass	0.30	0.28	0.48		YES
	HP Low-E4® Full Divided Lite Grilles	0.31	0.28	0.48		NO
	HP Low-E4® Sun	0.30	0.19	0.30		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.19	0.30		YES
	HP Low-E4® Sun Grilles between the Glass	0.30	0.18	0.27		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.32	0.18	0.27		NO
	HP Low-E4® SmartSun™	0.29	0.21	0.49		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.21	0.49		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.29	0.19	0.43		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.31	0.19	0.43		NO	
Renewal by Andersen® Full Frame Picture Window (47" x 59")	HP Low-E4®	0.27	0.32	0.56		NO
	HP Low-E4® Interior Wood Grilles	0.27	0.32	0.56		NO
	HP Low-E4® Grilles between the Glass	0.27	0.29	0.50		YES
	HP Low-E4® Full Divided Lite Grilles	0.28	0.29	0.50		YES
	HP Low-E4® Sun	0.27	0.20	0.31		YES
	HP Low-E4® Sun Interior Wood Grilles	0.27	0.20	0.31		YES
	HP Low-E4® Sun Grilles between the Glass	0.27	0.18	0.27		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.29	0.18	0.27		YES
	HP Low-E4® SmartSun™	0.26	0.22	0.51		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.26	0.22	0.51		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.26	0.20	0.45		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.28	0.20	0.45		YES	
Renewal by Andersen® Insert Picture Window (47" x 59")	HP Low-E4®	0.27	0.34	0.58		NO
	HP Low-E4® Interior Wood Grilles	0.27	0.34	0.58		NO
	HP Low-E4® Grilles between the Glass	0.27	0.31	0.52		NO
	HP Low-E4® Full Divided Lite Grilles	0.29	0.31	0.52		NO
	HP Low-E4® Sun	0.28	0.20	0.32		YES
	HP Low-E4® Sun Interior Wood Grilles	0.28	0.20	0.32		YES
	HP Low-E4® Sun Grilles between the Glass	0.28	0.19	0.28		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.29	0.19	0.28		YES
	HP Low-E4® SmartSun™	0.27	0.23	0.53		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.27	0.23	0.53		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.27	0.21	0.47		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.28	0.21	0.47		YES	


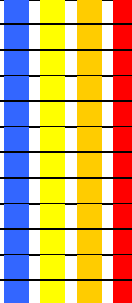
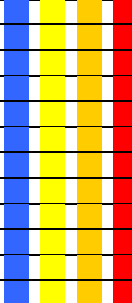
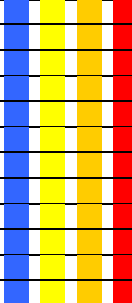
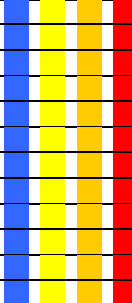
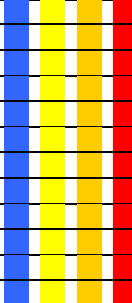
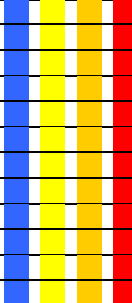
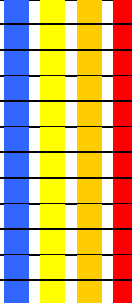
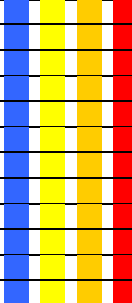
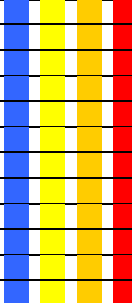
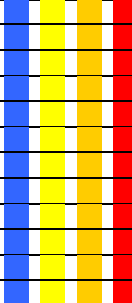
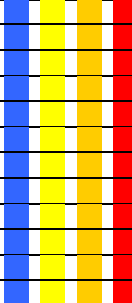
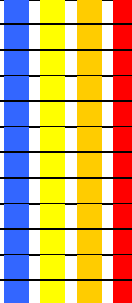
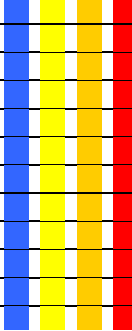
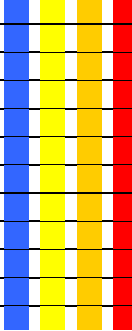
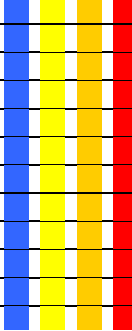
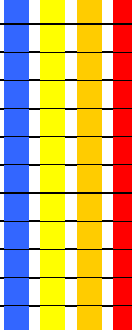
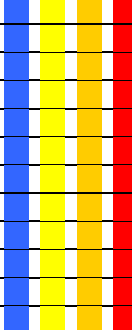
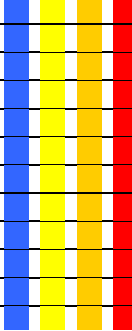
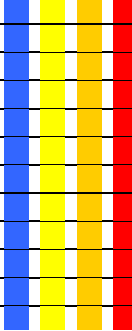
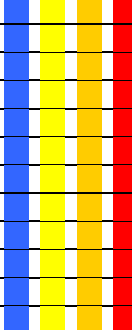
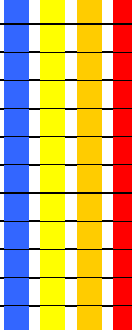
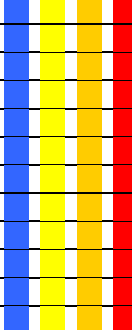
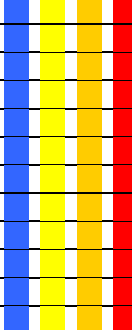
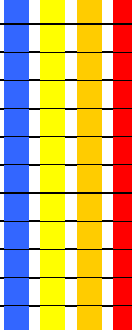
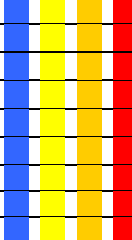
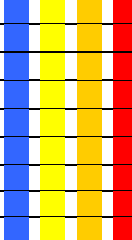
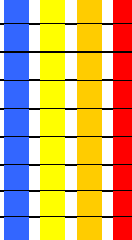
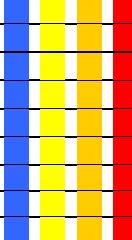
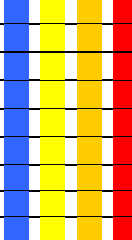
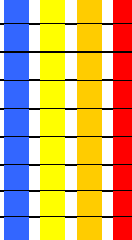
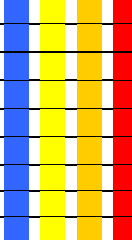
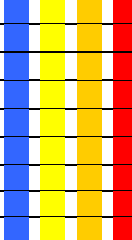
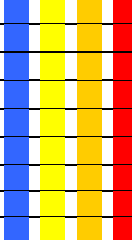
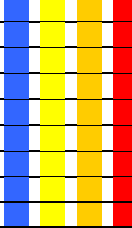
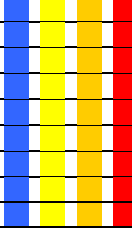
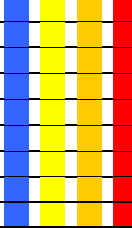
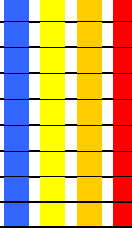
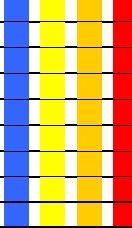
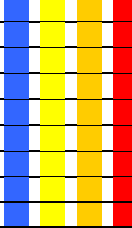
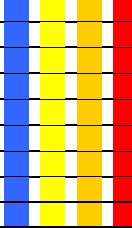
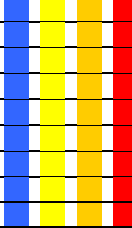
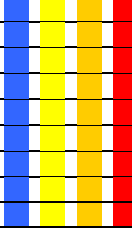
ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. "Renewal by Andersen" and the Renewal by Andersen logo are registered trademarks of Andersen Corporation. All other marks where denoted are marks of Andersen Corporation. ©2009 Andersen Corporation. All rights reserved. Rev. 02/09

Product Performance and ENERGY STAR® qualification.
(See separate product listing for products used in high altitude regions)

Product Type (NFRC Size)	Glass Type Standard or Tempered Glass Grilles = Full Divided Light	U-Factor ¹	SHGC ²	VT ³		Meets Both U-Factor of 0.30 or lower and SHGC of 0.30 or lower.
Renewal by Andersen® Full Frame Specialty Window (47" x 59")	HP Low-E4®	0.27	0.32	0.56		NO
	HP Low-E4® Interior Wood Grilles	0.27	0.32	0.56		NO
	HP Low-E4® Grilles between the Glass	0.27	0.29	0.50		YES
	HP Low-E4® Full Divided Lite Grilles	0.28	0.29	0.50		YES
	HP Low-E4® Sun	0.27	0.20	0.31		YES
	HP Low-E4® Sun Interior Wood Grilles	0.27	0.20	0.31		YES
	HP Low-E4® Sun Grilles between the Glass	0.27	0.18	0.27		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.29	0.18	0.27		YES
	HP Low-E4® SmartSun™	0.26	0.22	0.51		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.26	0.22	0.51		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.26	0.20	0.45		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.28	0.20	0.45		YES	
Renewal by Andersen® Insert Specialty Window (47" x 59")	HP Low-E4®	0.27	0.34	0.58		NO
	HP Low-E4® Interior Wood Grilles	0.27	0.34	0.58		NO
	HP Low-E4® Grilles between the Glass	0.27	0.31	0.52		NO
	HP Low-E4® Full Divided Lite Grilles	0.29	0.31	0.52		NO
	HP Low-E4® Sun	0.28	0.20	0.32		YES
	HP Low-E4® Sun Interior Wood Grilles	0.28	0.20	0.32		YES
	HP Low-E4® Sun Grilles between the Glass	0.28	0.19	0.28		YES
	HP Low-E4® Sun Full Divided Lite Grilles	0.29	0.19	0.28		YES
	HP Low-E4® SmartSun™	0.27	0.23	0.53		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.27	0.23	0.53		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.27	0.21	0.47		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.28	0.21	0.47		YES	
Patio Doors						
Frenchwood Gliding Patio Door (79" x 79")	HP Low-E4®	0.30	0.27	0.45		YES
	HP Low-E4® Interior Wood Grilles	0.30	0.27	0.45		YES
	HP Low-E4® Grilles between the Glass	0.32	0.23	0.39		NO
	HP Low-E4® Full Divided Lite Grilles	0.31	0.23	0.39		NO
	HP Low-E4® Sun	0.31	0.16	0.25		NO
	HP Low-E4® Sun Interior Wood Grilles	0.31	0.16	0.25		NO
	HP Low-E4® Sun Grilles between the Glass	0.32	0.14	0.22		NO
	HP Low-E4® Sun Full Divided Lite Grilles	0.32	0.14	0.22		NO
	HP Low-E4® SmartSun™	0.30	0.18	0.41		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.30	0.18	0.41		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.31	0.16	0.35		NO
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.31	0.16	0.35		NO	
Frenchwood Hinged Patio Door-Inswing (39" x 79")	HP Low-E4®	0.31	0.24	0.41		NO
	HP Low-E4® Interior Wood Grilles	0.31	0.24	0.41		NO
	HP Low-E4® Grilles between the Glass	0.32	0.21	0.35		NO
	HP Low-E4® Full Divided Lite Grilles	0.31	0.21	0.35		NO
	HP Low-E4® Sun	0.31	0.15	0.23		NO
	HP Low-E4® Sun Interior Wood Grilles	0.31	0.15	0.23		NO
	HP Low-E4® Sun Grilles between the Glass	0.32	0.13	0.19		NO
	HP Low-E4® Sun Full Divided Lite Grilles	0.32	0.13	0.19		NO
	HP Low-E4® SmartSun™	0.30	0.16	0.37		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.30	0.14	0.37		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.31	0.14	0.31		NO
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.31	0.14	0.31		NO	
Frenchwood Hinged Patio Door-Outswing (39" x 79")	HP Low-E4®	0.31	0.25	0.41		NO
	HP Low-E4® Interior Wood Grilles	0.31	0.25	0.41		NO
	HP Low-E4® Grilles between the Glass	0.32	0.21	0.35		NO
	HP Low-E4® Full Divided Lite Grilles	0.32	0.21	0.35		NO
	HP Low-E4® Sun	0.31	0.15	0.23		NO
	HP Low-E4® Sun Interior Wood Grilles	0.31	0.15	0.23		NO
	HP Low-E4® Sun Grilles between the Glass	0.32	0.13	0.19		NO
	HP Low-E4® Sun Full Divided Lite Grilles	0.32	0.13	0.19		NO
	HP Low-E4® SmartSun™	0.30	0.17	0.37		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.30	0.17	0.37		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.32	0.15	0.31		NO
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.31	0.15	0.31		NO	

ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. "Renewal by Andersen" and the Renewal by Andersen logo are registered trademarks of Andersen Corporation. All other marks where denoted are marks of Andersen Corporation.
©2009 Andersen Corporation. All rights reserved. Rev. 02/09

Product Performance and ENERGY STAR® qualification.
(See separate product listing for products used in high altitude regions)

Product Type (NFRC Size)	Glass Type Standard or Tempered Glass Grilles = Full Divided Light	U-Factor ¹	SHGC ²	VT ³		Meets Both U-Factor of 0.30 or lower and SHGC of 0.30 or lower.
Frenchwood Patio Door Sidelight (24" x 79")	HP Low-E4®	0.31	0.22	0.37		NO
	HP Low-E4® Interior Wood Grilles	0.31	0.22	0.37		NO
	HP Low-E4® Grilles between the Glass	0.32	0.20	0.33		NO
	HP Low-E4® Full Divided Lite Grilles	0.32	0.20	0.33		NO
	HP Low-E4® Sun	0.32	0.14	0.21		NO
	HP Low-E4® Sun Interior Wood Grilles	0.32	0.14	0.21		NO
	HP Low-E4® Sun Grilles between the Glass	0.32	0.13	0.18		NO
	HP Low-E4® Sun Full Divided Lite Grilles	0.32	0.13	0.18		NO
	HP Low-E4® SmartSun™	0.31	0.15	0.33		NO
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.31	0.15	0.33		NO
	HP Low-E4® SmartSun™ Grilles between the Glass	0.32	0.14	0.29		NO
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.32	0.14	0.29		NO	
Frenchwood Patio Door Transom (79" x 24")	HP Low-E4®	0.30	0.24	0.40		YES
	HP Low-E4® Interior Wood Grilles	0.30	0.24	0.40		YES
	HP Low-E4® Grilles between the Glass	0.30	0.21	0.35		YES
	HP Low-E4® Full Divided Lite Grilles	0.30	0.21	0.35		YES
	HP Low-E4® Sun	0.30	0.15	0.22		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.15	0.22		YES
	HP Low-E4® Sun Grilles between the Glass	0.31	0.13	0.20		NO
	HP Low-E4® Sun Full Divided Lite Grilles	0.31	0.13	0.20		NO
	HP Low-E4® SmartSun™	0.29	0.16	0.36		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.16	0.36		YES
	HP Low-E4® SmartSun™ Grilles between the Glass	0.30	0.14	0.32		YES
HP Low-E4® SmartSun™ Full Divided Lite Grilles	0.30	0.14	0.32		YES	
Narroline® Gliding Patio Door (79" x 79")	HP Low-E4®	0.29	0.32	0.55		NO
	HP Low-E4® Interior Wood Grilles	0.29	0.32	0.55		NO
	HP Low-E4® Grilles between the Glass	0.31	0.28	0.48		NO
	HP Low-E4® Sun	0.30	0.20	0.30		YES
	HP Low-E4® Sun Interior Wood Grilles	0.30	0.20	0.30		YES
	HP Low-E4® Sun Grilles between the Glass	0.31	0.17	0.26		NO
	HP Low-E4® SmartSun™	0.29	0.22	0.50		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.29	0.22	0.50		YES
HP Low-E4® SmartSun™ Grilles between the Glass	0.30	0.19	0.44		YES	
Perma-Shield® Gliding Patio Door (79" x 79")	HP Low-E4®	0.29	0.33	0.56		NO
	HP Low-E4® Interior Wood Grilles	0.29	0.33	0.56		NO
	HP Low-E4® Grilles between the Glass	0.29	0.29	0.49		YES
	HP Low-E4® Sun	0.29	0.20	0.31		YES
	HP Low-E4® Sun Interior Wood Grilles	0.29	0.20	0.31		YES
	HP Low-E4® Sun Grilles between the Glass	0.29	0.18	0.27		YES
	HP Low-E4® SmartSun™	0.28	0.22	0.51		YES
	HP Low-E4® SmartSun™ Interior Wood Grilles	0.28	0.22	0.51		YES
HP Low-E4® SmartSun™ Grilles between the Glass	0.28	0.19	0.44		YES	

ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. "Renewal by Andersen" and the Renewal by Andersen logo are registered trademarks of Andersen Corporation. All other marks where denoted are marks of Andersen Corporation.
©2009 Andersen Corporation. All rights reserved. Rev. 02/09