

## Eagle Window & Door 2010 ENERGY STAR® Information

This document provides NFRC certified U-Factor, Solar Heat Gain Coefficient (SHGC) and Visible Transmittance (VT) values for Eagle windows and doors along with the corresponding ENERGY STAR® climate zones that the product and glass type meet.

Actual unit performance values will vary depending upon specified design pressure, glass treatment option and unit size. Work with your local Eagle window and door dealer to make sure the product(s) you are ordering meet your specifications.

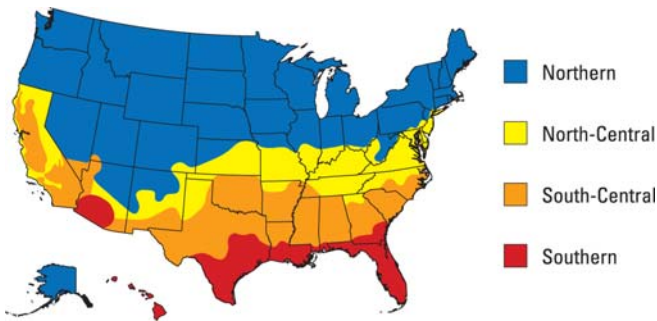


**NFRC** - These products are rated, certified and labeled by the National Fenestration Rating Council® (NFRC) – a non-profit organization that provides fair, accurate and credible energy performance ratings for windows and doors.



**ENERGY STAR** - 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.

The new climate zones and energy efficiency guidelines for windows and doors are shown below.



### ENERGY STAR® Qualification Criteria for Residential Windows and Doors

Windows			Doors		
Climate Zone	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	Glazing Level	U-Factor <sup>1</sup>	SHGC <sup>2</sup>
Northern	≤ 0.30	Any	Opaque	≤ 0.21	No Rating
	= 0.31	≥ 0.35	≤ ½-Lite	≤ 0.27	≤ 0.30
	= 0.32	≥ 0.40	> ½-Lite	≤ 0.32	≤ 0.30
North-Central	≤ 0.32	≤ 0.40			
South-Central	≤ 0.35	≤ 0.30			
Southern	≤ 0.60	≤ 0.27			

<sup>1</sup> Btu/h-ft<sup>2</sup>-F

<sup>2</sup> Fraction of incident solar radiation

#### NOTES

<sup>1</sup> U-Factor defines the amount of heat loss through the total unit in BTU/hr sq. ft.<sup>2</sup> °F. The lower the value, the less heat is lost through the entire product.

<sup>2</sup> 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.

<sup>3</sup> 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.

TIG = Triple Insulated Glass

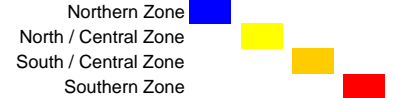
Glass thickness is noted in millimeters:

- For insulated glass, glass thickness is noted as (OB / Air Space / IB)
- For TIG, glass thickness is noted as (OB / Air Space / Center Pane / Air Space / IB)

Products noted as "High Altitude" contain capillary breather tubes.

This data is accurate as of December 10, 2009. Due to ongoing product changes, updated test results or new industry standards or requirements this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different divided light options, glass for high altitudes, etc.

U-Factor - Rate of Heat Loss = 1/R  
SHGC - Solar Heat Gain Coefficient  
VLT- Visible Light Transmittance  
CR - Condensation Resistance

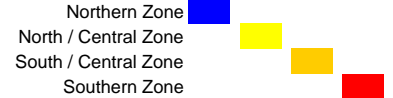


Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
SmartSun (366) 3.1mm / 13mm / 3.1mm	None	0.32	0.17	0.37	57	Blue	Blue
SmartSun (366) 3.1mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.15	0.32	57	Blue	Yellow
SmartSun (366) 3.1mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.13	0.27	57	Blue	Orange
SmartSun (366) 3.9mm / 11.5mm / 3.9mm	None	0.32	0.17	0.37	57	Blue	Blue
SmartSun (366) 3.9mm / 11.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.15	0.32	57	Blue	Yellow
SmartSun (366) 3.9mm / 11.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.13	0.27	57	Blue	Orange
SmartSun (366) 3mm / 13mm / 3.1mm	None	0.32	0.17	0.37	57	Blue	Blue
SmartSun (366) 3mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.15	0.32	57	Blue	Yellow
SmartSun (366) 3mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.13	0.27	57	Blue	Orange
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.31	0.23	0.38	58	Blue	Blue
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.20	0.32	58	Blue	Yellow
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.17	0.27	58	Blue	Orange
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.23	0.37	58	Blue	Blue
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.20	0.32	58	Blue	Yellow
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.17	0.27	58	Blue	Orange
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.27	0.21	0.33	58	Blue	Blue
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.27	0.18	0.28	58	Blue	Yellow
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.27	0.16	0.24	58	Blue	Orange
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.29	0.21	0.33	58	Blue	Blue
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.29	0.18	0.28	58	Blue	Yellow
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Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.21	0.33	58	Blue	Blue
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.18	0.28	58	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.16	0.24	58	Blue	Orange
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SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.15	0.34	58	Blue	Blue
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.14	0.29	58	Blue	Yellow
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.12	0.25	58	Blue	Orange
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.16	0.34	58	Blue	Blue
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.14	0.29	58	Blue	Yellow
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.12	0.24	58	Blue	Orange

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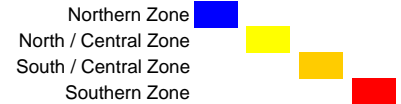


Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.31	0.23	0.38	57	Blue	Blue
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.20	0.33	57	Blue	Yellow
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.17	0.28	57	Blue	Yellow
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.23	0.38	57	Blue	Yellow
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.20	0.32	57	Blue	Yellow
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Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.27	0.16	0.24	57	Blue	Yellow
3.9mm	None	0.29	0.21	0.33	57	Blue	Yellow
3.9mm	7/8" CDL (no spacer)	0.29	0.18	0.28	57	Blue	Yellow
3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.29	0.16	0.24	57	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.21	0.33	57	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.19	0.29	57	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.16	0.24	57	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.21	0.33	57	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.18	0.28	57	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.16	0.24	57	Blue	Yellow
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.16	0.35	57	Blue	Yellow
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.14	0.30	57	Blue	Yellow
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.12	0.25	57	Blue	Yellow
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.16	0.34	57	Blue	Yellow
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.14	0.29	57	Blue	Yellow
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.12	0.25	57	Blue	Yellow

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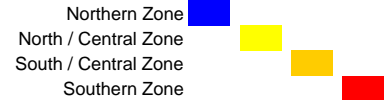


Class Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR® Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.32	0.22	0.36	58	Blue, Yellow, Orange, Red
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.20	0.32	58	Blue, Yellow, Orange, Red
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.18	0.28	58	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.29	0.20	0.32	58	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.29	0.18	0.28	58	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.29	0.16	0.25	58	Blue, Yellow, Orange, Red
3.9mm	None	0.30	0.20	0.31	58	Blue, Yellow, Orange, Red
3.9mm	7/8" CDL (no spacer)	0.30	0.18	0.28	58	Blue, Yellow, Orange, Red
3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.16	0.25	58	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.31	0.20	0.32	58	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.18	0.28	58	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.16	0.25	58	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.31	0.15	0.33	58	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.14	0.29	58	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.12	0.26	58	Blue, Yellow, Orange, Red

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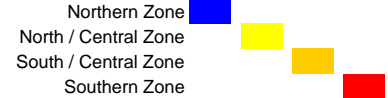


Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.31	0.22	0.37	59	Blue	Blue
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.20	0.33	59	Blue	Yellow
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.18	0.29	59	Blue	Orange
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.28	0.20	0.32	59	Blue	Blue
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.28	0.18	0.29	59	Blue	Yellow
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.28	0.16	0.25	59	Blue	Orange
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.30	0.20	0.32	58	Blue	Blue
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.30	0.18	0.28	58	Blue	Yellow
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.16	0.25	58	Blue	Orange
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.31	0.20	0.32	58	Blue	Blue
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.18	0.29	58	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.16	0.25	58	Blue	Orange
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.31	0.15	0.33	59	Blue	Blue
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.14	0.30	59	Blue	Yellow
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.12	0.26	59	Blue	Orange

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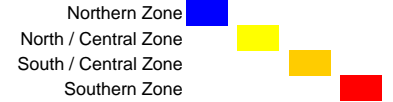


Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
SmartSun (366) 3.1mm / 13mm / 3.1mm	None	0.32	0.17	0.38	50	Blue	Northern Zone
SmartSun (366) 3.1mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.15	0.34	50	Yellow	North / Central Zone
SmartSun (366) 3.1mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.14	0.30	50	Orange	South / Central Zone
SmartSun (366) 3.9mm / 11.5mm / 3.9mm	None	0.32	0.17	0.38	50	Blue	Northern Zone
SmartSun (366) 3.9mm / 11.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.15	0.34	50	Yellow	North / Central Zone
SmartSun (366) 3.9mm / 11.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.14	0.30	50	Orange	South / Central Zone
SmartSun (366) 3mm / 13mm / 3.1mm	None	0.32	0.17	0.38	50	Blue	Northern Zone
SmartSun (366) 3mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.15	0.34	50	Yellow	North / Central Zone
SmartSun (366) 3mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.14	0.30	50	Orange	South / Central Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.31	0.24	0.39	61	Blue	Northern Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.22	0.35	61	Yellow	North / Central Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.19	0.31	61	Orange	South / Central Zone
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.24	0.38	61	Blue	Northern Zone
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.21	0.34	61	Yellow	North / Central Zone
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.19	0.30	61	Orange	South / Central Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.27	0.22	0.34	61	Blue	Northern Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.27	0.20	0.30	61	Yellow	North / Central Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.27	0.18	0.27	61	Orange	South / Central Zone
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.29	0.22	0.34	61	Blue	Northern Zone
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.29	0.20	0.30	61	Yellow	North / Central Zone
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.29	0.18	0.26	61	Orange	South / Central Zone
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.22	0.34	60	Blue	Northern Zone
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.20	0.30	60	Yellow	North / Central Zone
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.18	0.27	60	Orange	South / Central Zone
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.22	0.34	60	Blue	Northern Zone
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.20	0.30	60	Yellow	North / Central Zone
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.18	0.26	60	Orange	South / Central Zone
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.16	0.35	61	Blue	Northern Zone
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.15	0.31	61	Yellow	North / Central Zone
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.13	0.28	61	Orange	South / Central Zone
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.16	0.35	61	Blue	Northern Zone
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.15	0.31	61	Yellow	North / Central Zone
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.14	0.27	61	Orange	South / Central Zone

**Disclaimer**

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U-Factor - Rate of Heat Loss = 1/R  
SHGC - Solar Heat Gain Coefficient  
VLT- Visible Light Transmittance  
CR - Condensation Resistance

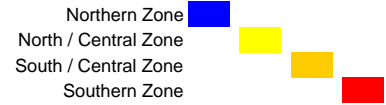


Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR® Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.24	0.33	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.21	0.29	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.19	0.24	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.24	0.33	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.21	0.28	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.18	0.24	56	Blue, Yellow, Orange, Red

**Disclaimer**

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U-Factor - Rate of Heat Loss = 1/R  
SHGC - Solar Heat Gain Coefficient  
VLT- Visible Light Transmittance  
CR - Condensation Resistance



Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR® Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.22	0.34	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.19	0.29	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.17	0.24	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.22	0.33	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.19	0.28	56	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.17	0.24	56	Blue, Yellow, Orange, Red

**Disclaimer**

Actual unit performance values will vary depending upon specified design pressure, glass treatment option and unit size. Work with your local Eagle window and door dealer to make sure the product(s) you are ordering meet your specifications.

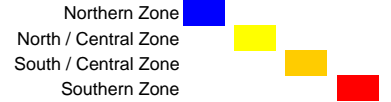


Ascent® Outswing French Door Sidelite

2068 Tested Size at DP 40

Series 05 Ascent Clad Outswing French Door SL1 Sidelite H/P Sill

U-Factor - Rate of Heat Loss = 1/R  
 SHGC - Solar Heat Gain Coefficient  
 VLT- Visible Light Transmittance  
 CR - Condensation Resistance



Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.21	0.32	61	Blue, Yellow, Orange, Red	
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.19	0.29	61	Blue, Yellow, Orange, Red	
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.17	0.25	61	Blue, Yellow, Orange, Red	

**Disclaimer**

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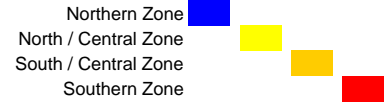


Ascent® Outswing French Door Transom

6020 Tested Size at DP 40

Series 05 Ascent Clad Outswing French Door ST1 Transom

U-Factor - Rate of Heat Loss = 1/R  
 SHGC - Solar Heat Gain Coefficient  
 VLT- Visible Light Transmittance  
 CR - Condensation Resistance

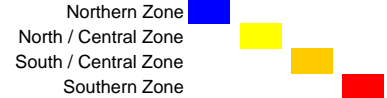


Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.22	0.34	60	Blue, Yellow, Orange, Red	
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.20	0.30	60	Blue, Yellow, Orange, Red	
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.18	0.27	60	Blue, Yellow, Orange, Red	
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.22	0.34	60	Blue, Yellow, Orange, Red	
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.20	0.30	60	Blue, Yellow, Orange, Red	
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.18	0.26	60	Blue, Yellow, Orange, Red	

**Disclaimer**

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U-Factor - Rate of Heat Loss = 1/R  
SHGC - Solar Heat Gain Coefficient  
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CR - Condensation Resistance

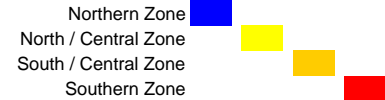


Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
SmartSun (366) 3.1mm / 13mm / 3.1mm	None	0.32	0.18	0.41	52	Blue	Northern Zone
SmartSun (366) 3.1mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.16	0.35	52	Yellow	North / Central Zone
SmartSun (366) 3.1mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.14	0.30	52	Orange	South / Central Zone
SmartSun (366) 3.9mm / 13mm / 3.9mm	None	0.32	0.18	0.41	52	Blue	Northern Zone
SmartSun (366) 3.9mm / 13mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.16	0.35	52	Yellow	North / Central Zone
SmartSun (366) 3.9mm / 13mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.14	0.30	52	Orange	South / Central Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.25	0.42	56	Blue	Northern Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.22	0.36	56	Yellow	North / Central Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.19	0.31	56	Orange	South / Central Zone
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.25	0.41	54	Blue	Northern Zone
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.22	0.36	54	Yellow	North / Central Zone
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.19	0.30	54	Orange	South / Central Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.27	0.23	0.36	59	Blue	Northern Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.27	0.20	0.31	59	Yellow	North / Central Zone
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.27	0.18	0.27	59	Orange	South / Central Zone
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.29	0.23	0.36	57	Blue	Northern Zone
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.29	0.20	0.31	57	Yellow	North / Central Zone
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.29	0.18	0.26	57	Orange	South / Central Zone
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.23	0.36	57	Blue	Northern Zone
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.20	0.31	57	Yellow	North / Central Zone
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.18	0.27	57	Orange	South / Central Zone
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.23	0.36	55	Blue	Northern Zone
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.20	0.31	55	Yellow	North / Central Zone
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.18	0.26	55	Orange	South / Central Zone
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.17	0.38	56	Blue	Northern Zone
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.15	0.32	56	Yellow	North / Central Zone
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.13	0.28	56	Orange	South / Central Zone
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.17	0.37	54	Blue	Northern Zone
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.15	0.32	54	Yellow	North / Central Zone
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.13	0.27	54	Orange	South / Central Zone

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U-Factor - Rate of Heat Loss = 1/R  
SHGC - Solar Heat Gain Coefficient  
VLT- Visible Light Transmittance  
CR - Condensation Resistance







Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR® Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.32	0.23	0.37	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.20	0.32	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.18	0.28	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.29	0.21	0.32	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.29	0.19	0.28	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.29	0.17	0.24	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.31	0.21	0.32	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.31	0.19	0.28	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.16	0.24	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.32	0.21	0.32	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.19	0.28	59	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.17	0.24	59	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.32	0.16	0.33	59	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.14	0.29	59	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.12	0.25	59	Blue, Yellow, Orange, Red

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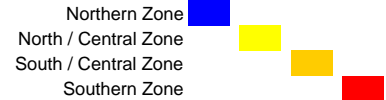
U-Factor - Rate of Heat Loss = 1/R  
SHGC - Solar Heat Gain Coefficient  
VLT- Visible Light Transmittance  
CR - Condensation Resistance



Northern Zone   
North / Central Zone   
South / Central Zone   
Southern Zone 

Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
HP Low-E4 (272) 3.1mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.29	0.49	52	Blue	Northern
HP Low-E4 (272) 3.1mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.25	0.49	52	Blue	North / Central
HP Low-E4 (272) 3.9mm / 13mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.29	0.49	52	Blue	Northern
HP Low-E4 (272) 3.9mm / 13mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.25	0.49	52	Blue	North / Central
HP Low-E4 (272) 3mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.29	0.49	52	Blue	Northern
HP Low-E4 (272) 3mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.25	0.49	52	Blue	North / Central
Bronze Low-E4 (272) 3.1mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.27	0.37	52	Blue	Northern
Bronze Low-E4 (272) 3.1mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.24	0.32	52	Blue	North / Central
Bronze Low-E4 (272) 3.1mm / 13mm / 3mm	7/8" CDL (no spacer)	0.32	0.27	0.37	52	Blue	Northern
Bronze Low-E4 (272) 3.1mm / 13mm / 3mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.24	0.32	52	Blue	North / Central
Bronze Low-E4 (272) 3.9mm / 13mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.27	0.37	52	Blue	Northern
Bronze Low-E4 (272) 3.9mm / 13mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.24	0.32	52	Blue	North / Central
Gray Low-E4 (272) 3.1mm / 13mm / 3.1mm	None	0.32	0.30	0.39	52	Blue	Northern
Gray Low-E4 (272) 3.1mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.26	0.34	52	Blue	Northern
Gray Low-E4 (272) 3.1mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.23	0.29	52	Blue	North / Central
Gray Low-E4 (272) 3.1mm / 13mm / 3mm	None	0.32	0.30	0.39	52	Blue	Northern
Gray Low-E4 (272) 3.1mm / 13mm / 3mm	7/8" CDL (no spacer)	0.32	0.26	0.34	52	Blue	Northern
Gray Low-E4 (272) 3.1mm / 13mm / 3mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.23	0.29	52	Blue	North / Central
Gray Low-E4 (272) 3.9mm / 13mm / 3.9mm	None	0.32	0.30	0.39	52	Blue	Northern
Gray Low-E4 (272) 3.9mm / 13mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.26	0.34	52	Blue	Northern
Gray Low-E4 (272) 3.9mm / 13mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.23	0.29	52	Blue	North / Central
Low-E 240 3.1mm / 13mm / 3.1mm	None	0.32	0.20	0.31	51	Blue	Northern
Low-E 240 3.1mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.18	0.27	51	Blue	Northern
Low-E 240 3.1mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.16	0.24	51	Blue	North / Central
Low-E 240 3.9mm / 13mm / 3.9mm	None	0.32	0.20	0.31	51	Blue	Northern
Low-E 240 3.9mm / 13mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.18	0.27	51	Blue	Northern
Low-E 240 3.9mm / 13mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.16	0.24	51	Blue	North / Central
Low-E 240 3mm / 13mm / 3.1mm	None	0.32	0.20	0.31	51	Blue	Northern
Low-E 240 3mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.18	0.27	51	Blue	Northern
Low-E 240 3mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.16	0.24	51	Blue	North / Central
SmartSun (366) 3.1mm / 13mm / 3.1mm	None	0.31	0.22	0.50	52	Blue	Northern
SmartSun (366) 3.1mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.19	0.44	52	Blue	Northern
SmartSun (366) 3.1mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.17	0.38	52	Blue	North / Central
SmartSun (366) 3.9mm / 13mm / 3.9mm	None	0.31	0.22	0.50	52	Blue	Northern
SmartSun (366) 3.9mm / 13mm / 3.9mm	7/8" CDL (no spacer)	0.31	0.19	0.44	52	Blue	Northern
SmartSun (366) 3.9mm / 13mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.17	0.38	52	Blue	North / Central
SmartSun (366) 3mm / 13mm / 3.1mm	None	0.31	0.22	0.50	52	Blue	Northern
SmartSun (366) 3mm / 13mm / 3.1mm	7/8" CDL (no spacer)	0.31	0.19	0.44	52	Blue	Northern
SmartSun (366) 3mm / 13mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.17	0.38	52	Blue	North / Central
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.29	0.30	0.51	56	Blue	Northern
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.29	0.27	0.45	56	Blue	Northern
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.29	0.24	0.39	56	Blue	North / Central
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.31	0.30	0.51	55	Blue	Northern
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.31	0.26	0.44	55	Blue	Northern
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.23	0.38	55	Blue	North / Central
Low-E4 (272) #2 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.32	0.30	0.51	54	Blue	Northern
Low-E4 (272) #2 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.27	0.45	54	Blue	Northern
Low-E4 (272) #2 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.24	0.39	54	Blue	North / Central
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.25	0.28	0.45	59	Blue	Northern
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.25	0.25	0.39	59	Blue	Northern
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.25	0.22	0.34	59	Blue	North / Central
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.27	0.27	0.44	58	Blue	Northern
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.27	0.24	0.39	58	Blue	Northern
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.27	0.21	0.33	58	Blue	North / Central
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.28	0.28	0.45	57	Blue	Northern
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.28	0.25	0.39	57	Blue	Northern
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.28	0.22	0.34	57	Blue	North / Central

U-Factor - Rate of Heat Loss = 1/R  
SHGC - Solar Heat Gain Coefficient  
VLT- Visible Light Transmittance  
CR - Condensation Resistance

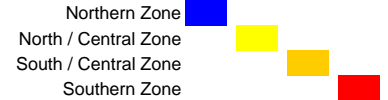


Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR® Zone
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.31	0.28	0.44	55	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.31	0.24	0.39	55	Blue, Yellow, Orange, Red
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.31	0.22	0.33	55	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.28	0.20	0.46	56	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.28	0.18	0.40	56	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.28	0.16	0.35	56	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.30	0.20	0.45	55	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.30	0.18	0.40	55	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.16	0.34	55	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.32	0.21	0.46	54	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.32	0.18	0.40	54	Blue, Yellow, Orange, Red
SmartSun (366) #2 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.16	0.35	54	Blue, Yellow, Orange, Red

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U-Factor - Rate of Heat Loss = 1/R  
SHGC - Solar Heat Gain Coefficient  
VLT- Visible Light Transmittance  
CR - Condensation Resistance



Glass Type	Divided Light Options	U-VAL	SHGC	VLT	CR	ENERGY STAR®	Zone
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.29	0.48	60	Blue	Blue
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.26	0.42	60	Blue	Yellow
Low-E4 (272) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.23	0.37	60	Blue	Orange
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.28	0.47	59	Blue	Yellow
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.25	0.42	59	Blue	Yellow
Low-E4 (272) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.23	0.37	59	Blue	Orange
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.26	0.26	0.42	60	Blue	Blue
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.26	0.24	0.37	60	Blue	Yellow
Low-E4 (272) #2&5 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.26	0.21	0.33	60	Blue	Orange
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.28	0.26	0.41	59	Blue	Yellow
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.28	0.23	0.37	59	Blue	Yellow
Low-E4 (272) #2&5 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.28	0.21	0.32	59	Blue	Orange
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.26	0.42	59	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.24	0.37	59	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.21	0.33	59	Blue	Orange
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.26	0.41	59	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.23	0.37	59	Blue	Yellow
Low-E4 (272) #2&5 TIG High Altitude 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.21	0.32	59	Blue	Orange
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	None	0.30	0.19	0.43	60	Blue	Blue
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	7/8" CDL (no spacer)	0.30	0.17	0.38	60	Blue	Yellow
SmartSun (366) #2 TIG 3.1mm / 8mm / 3.1mm / 8mm / 3.1mm	1 1/8" or 1 1/2" CDL (no spacer)	0.30	0.16	0.34	60	Blue	Orange
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	None	0.32	0.19	0.43	59	Blue	Yellow
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	7/8" CDL (no spacer)	0.32	0.18	0.38	59	Blue	Yellow
SmartSun (366) #2 TIG 3.9mm / 6.5mm / 3.9mm / 6.5mm / 3.9mm	1 1/8" or 1 1/2" CDL (no spacer)	0.32	0.16	0.33	59	Blue	Orange

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