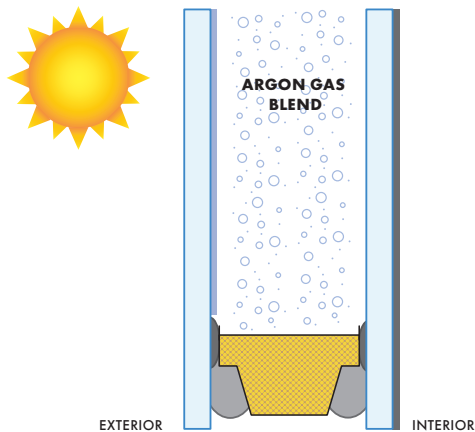




ENHANCED ENERGY PERFORMANCE OPTIONS

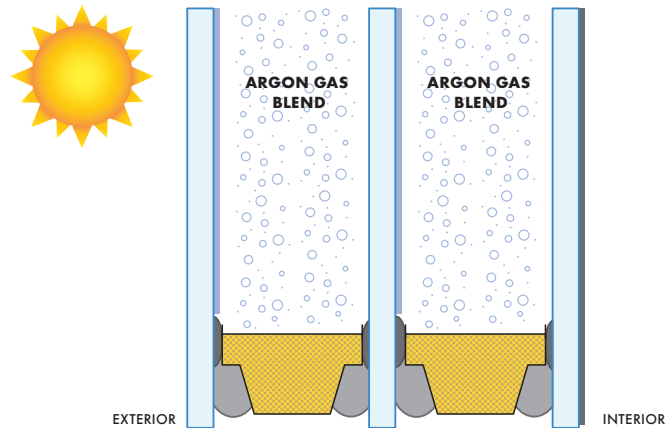
Andersen has many Low-E glass coating and construction options available for 100 Series products to optimize energy efficiency, meet stringent ENERGY STAR® v. 7.0 performance requirements, and help lower energy bills. The information in this document displays sample U-Factor values and illustrates anticipated coverage for each of the 100 Series products in a variety of configurations.

DUAL-PANE GLASS
Cross Section



- Available for all 100 Series products

TRIPLE-PANE GLASS
Cross Section



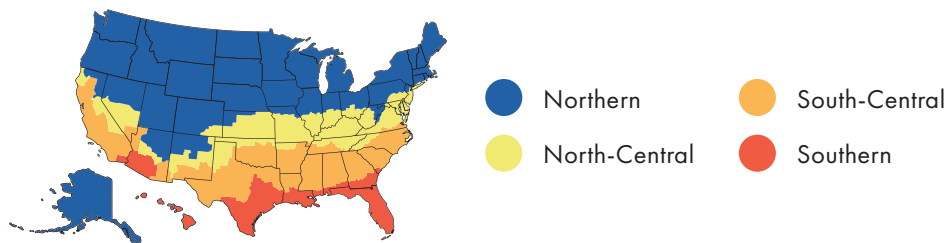
- Available for 100 Series: Casement, awning, and picture windows

*Visit andersenwindows.com/warranty for details.

*ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency.



100 SERIES Glass Options & ENERGY STAR® Ratings



IMPORTANT: This document is intended as a reference only. U-Factor and SHGC data can be found in the order tool for your configured unit.

GLASS OPTION		CASEMENT			AWNING			PICTURE		
		U-FACTOR	SHGC	ENERGY STAR® v. 7.0	U-FACTOR	SHGC	ENERGY STAR® v. 7.0	U-FACTOR	SHGC	ENERGY STAR® v. 7.0
DUAL-PANE GLASS	Low-E	0.28	0.28	○ ○ ○ ○ ○	0.28	0.28	○ ○ ○ ○ ○	0.28	0.33	○ ○ ○ ○ ○
	Low-E with HeatLock® Technology	0.24	0.28	○ ● ○ ○ ○	0.25	0.28	○ ● ○ ○ ○	0.23	0.32	○ ● ○ ○ ○
	Low-E SmartSun™	0.27	0.19	○ ○ ● ● ●	0.27	0.19	○ ○ ● ● ●	0.27	0.22	○ ○ ● ● ●
	Low-E SmartSun™ with HeatLock Technology	0.24	0.18	○ ● ● ● ●	0.24	0.18	○ ● ● ● ●	0.23	0.21	○ ● ● ● ●
	Low-E PassiveSun®	0.28	0.47	○ ○ ○ ○ ○	0.29	0.47	○ ○ ○ ○ ○	0.28	0.54	○ ○ ○ ○ ○
	Low-E PassiveSun® with HeatLock Technology	0.25	0.42	● ○ ○ ○ ○	0.25	0.42	● ○ ○ ○ ○	0.24	0.49	● ○ ○ ○ ○
	Low-E Sun	0.28	0.17	○ ○ ● ● ●	0.28	0.17	○ ○ ● ● ●	0.28	0.20	○ ○ ● ● ●
TRIPLE-PANE GLASS	Low-E	0.23	0.26	○ ● ○ ○ ○	0.23	0.26	○ ● ○ ○ ○	0.21	0.30	● ● ○ ○ ○
	Low-E with HeatLock® Technology	0.19	0.26	● ● ○ ○ ○	0.19	0.26	● ● ○ ○ ○	0.17	0.29	● ● ○ ○ ○
	Low-E SmartSun™	0.18	0.25	● ● ● ○ ○	0.18	0.25	● ● ● ○ ○	0.15	0.28	● ● ● ○ ○
	Low-E SmartSun™ with HeatLock Technology	0.22	0.17	● ● ● ● ●	0.22	0.17	● ● ● ● ●	0.21	0.20	● ● ● ● ●
	Low-E PassiveSun®	0.19	0.17	● ● ● ● ●	0.19	0.17	● ● ● ● ●	0.16	0.20	● ● ● ● ●
	Low-E PassiveSun® with HeatLock Technology	0.18	0.16	○ ● ● ● ●	0.18	0.16	○ ● ● ● ●	0.15	0.19	● ● ● ● ●
	Low-E Sun	0.18	0.36	● ● ○ ○ ○	0.18	0.37	● ● ○ ○ ○	0.15	0.42	● ○ ○ ○ ○

ANDERSEN BEST PRACTICES FOR OPTIMIZING U-FACTORS

Energy performance in windows and doors is influenced by multiple design and material choices. To achieve optimal thermal efficiency, especially when selecting between dual- and triple-pane glass, consider the following best practices:

- Select Stainless Steel Spacers over Black Spacers**
 Stainless steel spacers offer better thermal performance and contribute to lower U-Factors.
- Remove Grilles to Improve Efficiency**
 Eliminating grilles will typically help achieve lower U-Factors.
- Use Finelight™, Simulated Divided Light, or Energy Divided Light Grille Styles**
 These grille configurations typically result in better energy performance compared to Exterior with Finelight Interior or Full Divided Light styles.
- Opt for Triple-Pane Glass when Possible**
 Triple-pane units generally deliver superior insulation and lower U-Factors than dual-pane alternatives.
- Consider Tempered or Sound Transmission Class Glass for Dual-Pane Units**
 In some cases, these glass types can enhance thermal performance within dual-pane configurations.

For more information, visit andersenwindows.com/100series

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