



## THE RIGHT GLASS OPTIONS FOR ANY CLIMATE

From SmartSun™ glass that blocks 95% of the sun's harmful UV rays to PassiveSun® glass that brings the heat from sunlight into your home, there's an Andersen glass option for every climate and every project. Check with your Andersen dealer for the selections that are ENERGY STAR® certified in your area.

GLASS		ENERGY		LIGHT	
		U-Factor	Solar Heat Gain Coefficient	Visible Light Transmittance	UV Protection
		How well a product prevents heat from escaping.	How well a product blocks heat caused by sunlight.	How much visible light comes through a product.	How well a product blocks ultraviolet rays.
SmartSun	Thermal control similar to tinted glass, with visible light transmittance similar to Low-E4 glass.	● ● ● ○	● ● ● ●	● ● ● ○	● ● ● ●
SmartSun with HeatLock® Coating	Applied to the room-side surface, it reflects heat back into the home and improves U-factors.	● ● ● ●	● ● ● ●	● ● ○ ○	● ● ● ●
Low-E4®	Outstanding overall performance for climates where both heating and cooling costs are a concern.	● ● ● ○	● ● ● ○	● ● ● ○	● ● ● ○
Low-E4 with HeatLock Coating	Applied to the room-side surface, it reflects heat back into the home and improves U-factors.	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ○
Sun	Outstanding thermal control in southern climates where less solar heat gain is desired.	● ● ● ○	● ● ● ●	● ○ ○ ○	● ● ● ○
PassiveSun	Ideal for northern, passive solar construction applications where solar heat gain is desired.	● ● ● ○	● ○ ○ ○	● ● ● ○	● ● ● ○
Triple-Pane with Low-E coatings on two surfaces	Three panes of glass combine with either argon gas blend air or Low-E coatings to provide enhanced energy performance.	● ● ● ○	● ○ ○ ○	● ● ● ○	● ● ● ○
Clear Dual-Pane	High visibility with basic thermal performance.	● ○ ○ ○	○ ○ ○ ○	● ● ● ●	○ ○ ○ ○

Center of glass performance only. Ratings based on glass options as of March 2019. Visit [andersenwindows.com/energystar](http://andersenwindows.com/energystar) for ENERGY STAR® map and NFRC total unit performance data.

## GLASS OPTIONS

### NORTHERN CLIMATES

#### Triple-Pane Glass

Three panes of glass combine with either argon gas blend or air and Low-E coatings to provide our most energy-efficient glass option.

#### Low-E & Low-E4® Glass

Excellent thermal performance for climates where both heating and cooling costs are a concern. Energy-efficient Low-E glass options are available in all Andersen product lines.

#### SmartSun™ Glass

It gives you the benefits of Low-E glass, plus it helps shield your home from the sun's heat and filters out 95% of harmful UV rays while letting sunlight shine through.

#### PassiveSun® Glass

A great solution for cold climates where solar heat gain is desired. Ideal for passive solar applications.

### SOUTHERN CLIMATES

#### SmartSun™ Glass

Shields your home from the sun's heat and filters out 95% of harmful UV rays while letting sunlight shine through.

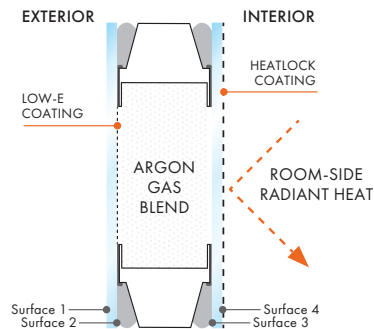
#### Sun Glass

It's tinted for maximum protection from the effects of intense sunlight while providing excellent energy efficiency.

### EVEN BETTER EFFICIENCY

#### HeatLock® Technology

Our optional HeatLock coating can be applied to the room-side glass surface (surface #4) of our windows and doors. The coating helps reflect escaping heat back into the room, resulting in improved insulation and better U-Factors.



### ADDITIONAL GLASS OPTIONS

**Tempered safety glass** (standard on patio doors).

**Laminated glass** for added strength, enhanced security and sound control.

**Patterned glass** can be substituted for clear glass to let in light while obscuring vision (patterns shown below).



Cascade

Fern

Obscure

Reed

Cascade and reed patterns can be ordered with either a vertical or horizontal orientation.

### COASTAL PROTECTION

Some Andersen products are available with impact-resistant glass and structural upgrades to meet the tough building codes of hurricane-prone coastal areas. See your local code official for specific requirements in your area.



For more information, visit [andersenwindows.com/glass](https://andersenwindows.com/glass)

"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.  
"Andersen" and all other marks where denoted are trademarks of Andersen Corporation.  
©2020 Andersen Corporation. All rights reserved. 02/20