



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

## 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.

### 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.

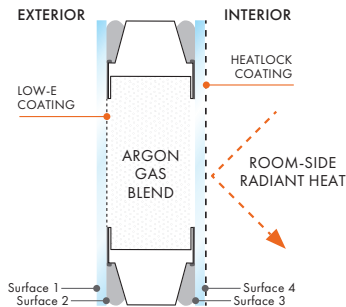
### Sun Glass

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

## EVEN BETTER EFFICIENCY

### HeatLock® Technology

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 is 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 and adding privacy.



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

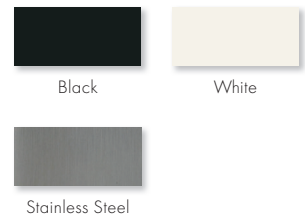
## GLASS SPACERS

Choose from stainless steel, black or white glass spacers on select products to create a customized look. Add Full Divided Light grilles and the grille spacer bar between the glass will match the selected glass spacer color.



Black glass spacer shown

### Glass Spacer Options



## STORMWATCH® 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)

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