

CertainTeed  
**SOMERTON II**<sup>TM</sup>  
W I N D O W S

**Not just more value.  
More features.**

*Tested for decades of  
trouble-free operation*

*Available with the best  
R-value glass in its class*

*One of the strongest  
warranties in the industry*



# CertainTeed quality means a lifetime of value.



*This 3-lite, end-vent slider topped by a half-round, combines a sleek design with advanced window engineering, for an excellent view and a comfortable home.*

**S**omerton II™ windows are an advanced design that brings more features than ever to a proven, cost-competitive product.

You get CertainTeed's uncompromising good looks. You get a broad range of styles to choose from — including custom shapes and combinations. And you get long-lasting performance and superior thermal efficiency that prove their value year after year.

## Details that make life easier.

Solid vinyl construction withstands a lifetime of exposure to the elements and daily use. There's no painting, scraping, or puttying — ever. Custom-designed, proprietary hardware is made from non-corrosive metals or UV-stabilized engineered plastics for durability.

The windows are easy to operate. Single-hungs have a stainless steel, constant

force balance system, so sashes lift and lower easily, and stay where you put them. Sliders have an advanced pull rail design and smooth rollers that move with fingertip ease. And all hardware has been tested for decades of trouble-free use.

When it's time for cleaning, operating sashes tilt-in or lift-out to make cleaning the exterior glass safe and easy from the inside.

## Excellent performance wherever you are.

In climates where warm weather predominates, windows contribute as much as 50% of the energy demand in a home. Somerton II windows with the optional Thermafect® Low "E" glazing system can significantly reduce your cooling needs.

Thermafect reflects the sun's heat away nearly two times better than ordinary Low "E" glass, for optimal cooling. And it blocks 84% of harmful UV rays that can fade carpets, drapes, and upholstery, while letting in high levels of daylight for a natural view.

When the weather is cool, Thermafect helps keep heat



*Somerton II windows are available in white or tan vinyl.*



*Sculptured or flat grids between the panes are available in white or tan; they allow for easy glass cleaning inside and out.*

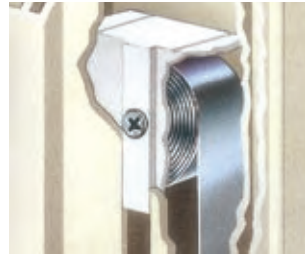
inside with insulating gas between the panes and a low-conductance spacer that reduces the loss of heat through the edges of the window unit.

Somerton II windows resist air and water infiltration nearly 100% better than the minimum AAMA / WDMA standards. Fusion-welding creates "seamless" sashes and frames, integral glazing makes the glass part of the frame, and double-weatherstripping seals any moving parts that meet. It's a weather tight combination that keeps your home comfortable no matter what the weather.

## One of the industry's strongest warranties.

Somerton II windows are covered by a lifetime limited warranty, plus SureStart™ protection that covers 100% of the cost of materials and labor to repair or replace a defective window in the first five years following installation.

**Single-Hung**



**Classic beauty (far left):** Single-hung windows give you an authentic double-hung look at a cost-competitive price.

**Easy operation (top left):** Stainless steel balance system applies a constant force, so sashes lift and lower easily — and never need adjustment.

**Simple cleaning (bottom left):** Spring-loaded, flush-mounted tilt-latches allow sash to tilt-in for easy glass cleaning from inside the home.

**Slider**



**Sleek design (far left):** Slider windows are an excellent selection when space is at a premium.

**Easy operation (top left):** Specially designed rollers and an improved pull rail design allow easy, fingertip operation. Secondary sash stop opens to a fixed point for ventilation.

**Simple cleaning (bottom left):** Operable sashes lift out for easy glass cleaning from the inside. For added security, closed and locked sashes cannot be removed from the exterior.

**Bay**



**Geometrics**



**Bay windows (far left):** Add space to and open up a vista from a favorite room.

**Geometric windows (left):** Create architectural interest outside and inside the home — affordably.

**Somerton II windows with the Thermafect® Low “E” glazing system offer excellent thermal performance.**

Glazing Type	Total Unit U-Values <sup>1,2</sup>			Center of Glass U-Value <sup>4</sup>	Daylight Transmittance <sup>5</sup>	UV Block <sup>5,6</sup>	Solar Heat Gain Coefficient <sup>5,7</sup>
	Single-Hung	Slider	Fixed				
Standard Double-Pane							
AA Size	0.51	0.50	0.51	0.50	82%	43%	0.59
Thermafect®/Argon/ Low-Conductance Spacer <sup>3</sup>							
AA Size	0.33	0.33	0.31	0.24	71%	84%	0.31

<sup>1</sup> U-value can be compared to R-value by dividing 1 by the U-value. (Thus, a U-value of 0.5 equals an R-value of 2.)

<sup>2</sup> Tested in accordance with NFRC 100. Data applicable for double-pane insulated units using either double-strength glass with a 1/2" air space or single-strength glass with a 9/16" air space.

Window Style	AA Size
Single-Hung	36" x 60"
Slider	60" x 36"
Fixed	48" x 48"

<sup>3</sup> Low-conductance spacer used in these tests was TruSeal's Swiggle® Seal or GED's Intercept® Seal.

<sup>4</sup> Center of glass U-values supplied by glass manufacturers.

<sup>5</sup> Calculations performed using the Lawrence Berkeley Laboratories Window 4.1 program and a 3/4" insulating unit.

<sup>6</sup> Based on UV transmission from 300 to 380 nm.

<sup>7</sup> Solar Heat Gain Coefficient (SHGC) for a 36" x 60" single-hung tested in accordance with NFRC 200. Solar Heat Gain Coefficient varies by style, glazing system, and presence of grids. All Somerton II™ windows with the Thermafect glazing system have a SHGC less than .40.

**Glossary of performance terms.**

■ **Low “E”:** Low-emissivity glass is coated with a microscopically thin metallic layer that allows visible light to pass through, while blocking ultraviolet and infrared solar energy and reflecting away long-wave room-side heat energy. Different types of Low “E” coatings offer varying levels of performance for each of these tasks.

■ **U-Value:** The rate of heat flow through a glazing system; the lower the value, the better the insulating quality.

■ **Daylight Transmittance:** Measures the amount of visible light that is transmitted through the glass.

■ **UV Block:** Measures the amount of damaging ultraviolet light that is blocked from being transmitted through the glass.

■ **Solar Heat Gain Coefficient:** The amount of direct solar radiation that enters through the glass into the home as heat. The smaller the number, the better the glazing is at preventing solar heat gain.



Somerton II™ windows with the Thermafect® glazing system meet the ENERGY STAR® guidelines for thermal efficiency in all climate regions.

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**Trust CertainTeed.**

CertainTeed has been the name to trust in building products since 1904. Now a \$2.5 billion corporation, CertainTeed is a long-standing leader in the building products industry, today producing vinyl windows, roofing, vinyl and fibercement siding, fiber glass insulation, pipe, fence, deck, and railing through facilities nationwide.

An ongoing commitment to research and development, including an investment in a dedicated vinyl R&D center and yearly expenditures of more than \$3 million for research, are keeping us at the forefront of technology.

With Somerton II windows, you get a company and a window you can count on.