

More Performance – Less Cost

“It’s just fun to be able to sell double-pane windows that perform better than triple-pane windows and cost \$150 to \$200 less per window,” says Ben Kripps, owner of ClearView Sunrooms & Windows. “That adds up quickly when homeowners are replacing the windows in their homes.”

“It’s a great example of technology applied practically to a common use,” says Kripps. “Homeowners can now get double-pane replacement windows that save more energy, practically eliminate ultraviolet rays from the sun, and reduce unwanted glare. To be specific, you get an NFRC U-factor of .20, which converts to an R-value of R-5 on a double-hung window. Center of glass R-value is R-10.”

How Is It Done?

“By simply suspending a specially coated insulating film between the two panes of glass,” says Kripps. “It allows the cost to be kept at a double-pane window level. The double-pane plus film system performs equally to a traditional triple-pane window without the added weight, aesthetic or design limitations and reduced natural light.”

Advantages of Suspended Film Insulating Glass

“Suspended film is one of the most significant technologies developed to improve insulation. The film is internally mounted and works together to complement the benefits of low-e coated glass.”

“Combining both film and glass-based low-e coatings creates a lightweight unit that reflects heat and harmful UV radiation while maximizing light transmission. Our windows provide superior insulation performance. The double-pane windows we install with an NFRC U-factor of .20 are 43% better than the best performing double-pane design in the marketplace.”

The Anatomy of Energy Efficiency:

The combination of low-e coatings, suspended film, insulating gases and a warm edge spacer system create a unique high-performance glass package designed for Wisconsin’s unpredictable climate. Contact ClearView Sunrooms & Windows for more information.





Benefits of Suspended Film Insulating Glass Windows:

- HVAC savings due to downsized equipment and lower annual operating costs
- 99.5% UV protection -- reduces interior fading and damage
- Directional tuning to enhance daylight with morning warmth and afternoon coolness
- Lower project costs when compared to triple-pane glass
- Reduced outside noise
- Improved occupant comfort and health
- Architectural freedom to include more glass in the design
- Reduced condensation
- Potential elimination of perimeter baseboard heating
- LEED contribution of up to 19 points

Triple Pane Blues...

"Double-pane suspended film glass gives homeowners a distinct advantage beyond a high performance at a lower price," Kripps adds. "Triple-pane glass units are 50% heavier than standard insulating glass and require stronger framing systems which increase the overall cost of any building project."

"The extra weight can also impose strict size constraints and may affect how much glass is used in the design of a building, impacting the overall aesthetics of a structure. In addition, general functionality of triple-pane windows



Cut Your Energy Bills:

Double-pane suspended film replacement windows can reduce your energy costs by up to 40% on heating and cooling.

is also affected by their weight. Additional stress is placed on operable mechanisms in the window and the window hardware, causing them to wear out quicker. When you couple the performance of suspended film insulated glass with these issues, I honestly don't know why a homeowner would use triple-pane replacement windows, and for that matter, other double-pane windows in their home."



For more information contact Ben Kripps of ClearView Sunrooms & Windows: (608) 226-9800
2227 South Stoughton Road, Madison, WI 53716 • www.clearviewconstruction.com