



EXTREMEDGE™

THE NEW VIRACON WARM EDGE SOLUTION



EXTREMEDGE™ KEY BENEFITS:

- + Improve edge of glass u-value
- + Increase interior glass temperature and minimize condensation
- + Meet stringent energy codes while satisfying sustainable designs

Viracon is pleased to introduce ExtremEdge™, a new warm edge spacer designed to improve edge of glass u-value by as much as 13% over an aluminum spacer.

When energy codes focus on edge of glass u-value the intent is to decrease thermal heat loss of the window while improving the energy efficiency of a building. To meet these requirements, ExtremEdge is constructed with a lower thermal conductivity biopolymer material which is encapsulated in stainless steel.

In addition to improved u-values, the increased surface temperature of the bottom edge (as noted in the diagram below) will improve the relative humidity (RH) value, thus minimizing the opportunity for condensation.

Glass Makeup: 1/4" VE1-2M #2, 1/2" argon Filled Space, 1/4" Clear

Aluminum	Stainless Steel	ExtremEdge™
NFRC (80 x 80) Assembly: 0.388 U Factor	NFRC (80 x 80) Assembly: 0.374 U Factor	NFRC (80 x 80) Assembly: 0.360 U Factor
Frame (sill): 1.530 U-Value	Frame (sill): 1.426 U-Value	Frame (sill): 1.317 U-Value
Edge of glass : 0.313 U-Value	Edge of glass : 0.287 U-Value	Edge of glass : 0.272 U-Value
Relative Humidity: 30% (RH)	Relative Humidity: 36% (RH)	Relative Humidity: 41% (RH)

► Data generated by an NFRC certified simulator using THERM 6 finite element analysis. Validation by physical testing is pending. Data was calculated using a thermally improved framing system.