

Enhanced Delta E Coating Color Specification Offering

What is the Glazing Industry Standard for Coating Uniformity?

ASTM C1376, the Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass, sets the limit of exterior reflected color non-uniformity for coated glass within a glazed unit and from one glazed unit to the next. Visually observable differences are possible within this specified range and can be quantified by calculating a Delta E value. The criteria defined in ASTM C1376 as the glazing industry standard is a Delta E reflected color variation of 4.0 or less.

Viracon's Differentiated Value

As a leading architectural glass fabricator in North America, Viracon's coated glass products comply with the color coating requirements specified in ASTM C1376. Coated samples are measured and compared to a target reference. When requested, Viracon can provide a premium product offering with a Delta E average of 2.0 or less for reflected color, which is half the industry standard. We can offer this enhanced color specification on any of our available raw glass substrates and for Viracon's most popular, high-performance Low-E coatings when applied to the second surface.

Available Coatings

VRE-38	VRE-46	VRE-54	VRE-59	VRE-3117	VRE-4725
VRE-4423	VE-2M	VE-85	VNE-53	VNE-63	VNG-4022

How is the Delta E Tested/Determined?

The Delta E average will be determined by taking color measurements of three sample lites by spectrophotometer approximately every 30 minutes during the coating process to ensure color consistency during your project's production runs. Glass that is outside of the specification will be discarded and replaced until our spectrophotometer color readings demonstrate that glass measures within the premium specification.

What is the Final Result?

The reflected color difference – Delta E – for all measured values associated with the approved coating on the project will be an average of 2.0 or less. A Delta E average and histogram of the Delta E readings will be provided for your facade as our Certificate of Acceptance once all project work orders are complete.

Viracon reserves the right to change product specifications without notice and without incurring obligation. Consult with a Viracon representative when specifying an order. Information provided in this document is for reference only.