



HAZE IN LOW-E INSULATING GLASS UNITS

Today's Low-E coated glass products are "color neutral". Their appearance approaches that of clear glass. But insulating glass with Low-E coatings exhibits a blue-gray "haze" under certain viewing conditions. Particularly when the Low-E glass is partially in direct sunlight and partially in shade, a haze will be visible in the sunlit portion of the glass when viewed from the interior. This condition is most noticeable in larger "picture window" type installations. It is difficult to demonstrate in small product samples. A homeowner uninformed about this product characteristic may become concerned that the glass is "dirty" or defective.

Low-E coatings have become so popular because of performance benefits – heating and cooling cost savings, greater occupant comfort, reduced fading of interior fabrics and wood floors. Additionally, Low-E coatings are sometimes required for insulating glass to meet the Energy Conservation Construction Code of New York State and always required to meet Energy Star Criteria for windows, doors, and skylights in the northern climate zone.

Syracuse Glass recommends that Low-E glass haze be discussed with residential customers so that the performance benefits and appearance can be weighed, resulting in an informed decision and full satisfaction.