

Site

Private Residence

Location

Denver, Colorado

Window Film

Mirage V38 SR CDF

Product Series

Dual-Reflective Series



SITUATION

In this case, it is a dramatic three-story home with cathedral ceilings and huge trapezoidal windows that truly bring the outside in. The home, set high in the Rockies near Denver, Colorado, is continually drenched in sunlight and features panoramic views in every direction. As breathtaking as the views are, the sun's brightness compromised the views, and the sun's ultraviolet rays damaged the furnishings, wood floors, and precious artifacts in the interior. Therefore, in the summer months, there was a real problem with solar heat.

SOLUTION

In discussing the sunlight problem with the neighbors, it was learned that solar control window film had proven to be the solution to a similar residential problem in a nearby home. A professional window film dealer in the area was consulted, who quickly assessed the situation and provided an individual specific solution to the dilemma.

The recommendation was for the installation of Vista™ by LLumar® Mirage V38, an innovative dual-reflective film with many benefits. It blocks more than 99 percent of ultraviolet rays, helping protect against premature fading. Vista Mirage also helps reduce glare by 57 percent and lowers solar heat by 56 percent.

RESULT

Vista Mirage provides excellent visibility from inside to out at all times of the day and night.

With Vista film on the windows, the problem with sun glare and heat have gone away, and yet the magnificent day and evening views have been preserved. Moreover, the furnishings, fabrics, artwork and wood flooring are not going to fade away. And no one will know that the film is in place.

Performance Data

| | % Total Solar Transmittance | % Total Solar Reflectance | % Total Solar Absorbance | % Visible Light Transmittance | % Visible Reflectance (exterior) | % Visible Reflectance (interior) | Winter U-value | Shading Coefficient | % Ultraviolet Ray Protection (wavelengths 280-380nm) | Emissivity | Solar Heat Gain Coefficient | % Total Solar Energy Reflected | Light-to-Solar Heat Gain Ratio (LSG) | % Summer Solar Heat Gain Reduction | % Winter Heat Loss Reduction | % Glare Reduction |
|------------------------|-----------------------------|---------------------------|--------------------------|-------------------------------|----------------------------------|----------------------------------|----------------|---------------------|--|------------|-----------------------------|--------------------------------|--------------------------------------|------------------------------------|------------------------------|-------------------|
| Clear Glass | 83 | 8 | 9 | 90 | 8 | 8 | 1.03 | 1.00 | 29 | 0.84 | 0.86 | 14 | 1.05 | - | - | - |
| Dual-Reflective Series | | | | | | | | | | | | | | | | |
| Mirage V38 SR CDF | 30 | 26 | 44 | 39 | 26 | 17 | 1.01 | 0.49 | >99 | 0.78 | 0.43 | 57 | 0.91 | 50 | 3 | 57 |