

Window Film Case Study: Measuring Success

ADM Group, Inc. – Tempe, Arizona

Dealer: A Better Tint, Gilbert, Arizona

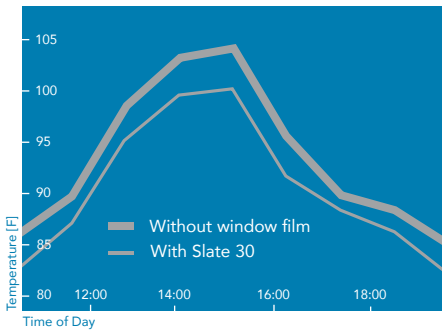
Installation Summary

Problem:

This LEED NC Silver building with high performing Low-e windows couldn't keep the energy costs low and the occupants comfortable

Solution:

Panorama® Slate 30 was installed on 2,034 square feet of glazing



Comfort Improvement

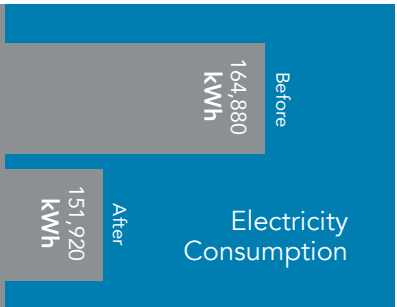
A month-long temperature measurement campaign showed that Panorama Slate 30 reduced the average daytime temperature by 3.1 F. The occupants have noticed a reduction in heat gain and stated 'it is no longer a necessity to bring down the shades, allowing the occupants to enjoy the views to the outside'.

3.1°
Fahrenheit
measured temperature
reduction

8%
reduction in
annual electricity
consumption

Energy Reduction

An initial whole-building energy analysis projected annual savings of 9%. A full year after window film installation energy bills confirmed the energy analysis, with an actual 8% reduction in electricity consumption. These savings came with no major changes to the building and a 1.5% increase in cooling load.



If you think the performance of your new low-e windows can't get any better, think again.

88
Energy Star rating
after window film
installation

Energy Star Rating Improvement

ADM Group had been sustainability conscious in designing their office to LEED Silver standards and continually monitoring their Energy Star rating. The installation of Panorama Slate 30 boosted their already impressive score of 86 to an 88.