

CASE STUDY

ENERGY SAVER CERAMIC 35

ENERGY CONSERVATION FOR HOTEL AND RESTAURANT PROPERTIES

Hotel Valencia



- *Increased guest and employee comfort*
- *Prolongs the life of décor and artwork by reducing the effects of glare & fading*
- *Decreased energy consumption leading to reduced utility bills*
- *Maintains the Aesthetics of Building*

Task:

The contemporary and stylish Hotel Valencia is located on the famed Riverwalk in San Antonio, TX. The 7,600 sq. ft., 213 room luxury boutique hotel needed to decrease their energy consumption and utility bills. With a consistent full house, the facility manager wanted to find a way to make the guests a little more comfortable and further their effort to reduce their carbon footprint. Huper Optik Smart Window Films was chosen to meet the hotel's direct needs.

Solution:

Huper Optik Energy Saver Ceramic 35 was the film of choice selected due to its high energy efficient properties. The ability to drastically reduce solar heat from entering

a room provided the perfect solution for increasing comfort in all the guestrooms. Another benefit to the addition of installing the films was a reduction in glare and fading of upholstery, décor and artwork that were in contact with the incoming sunlight.

Result:

The Valencia Hotel management team was pleased with their decision to install window film. The Huper Optik Energy Saver Ceramic 35 provided the perfect solution for the issues they faced and was given an estimated return on investment of 3.44 years. Management was able to feel and see the difference with an improvement in comfort and a decrease in glare and fading. This project also achieved its goal of decreasing energy consumption. This led to a decrease in the hotel's utility bills to the tune of \$13,651 annually which is equivalent to a reduction of 1,328,586lbs. of CO₂, 343,599lbs. of SO₂, 572,666lbs. of NO or saving 67.63 acres of trees.



Performance data is based on this film being applied to the inside of 3mm clear glass. All data calculated using the definitions and equations in ISO9050 & ASHARE Handbook. The data is subject to variations within industry standards.
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