

## CASE STUDY

# ENERGY SAVER CERAMIC 35 ENERGY EFFICIENT TECHNOLOGIES FOR COMMERCIAL PROPERTIES

## Bank of America Headquarters Building



- *Green Solutions for existing buildings and homes.*

- *Prolongs the life of interiors by reducing fading*

- *Turns existing windows into "SUPER WINDOWS"*

### Task:

Seventy percent of the energy used in the United States is consumed in commercial properties, and 40 percent of the energy used is to manage cooling costs resulting from infrared heat coming through windows. The Facility Management and Engineering Team at Bank of America needed to cut the heat coming through the windows in its high-rise data center building on 22,000 square feet of glass. The building, located in the heart of San Francisco's downtown business district, at 1445 Market St., faced complaints by brand new tenants that occupied three entire floors. They were dissatisfied with the uncomfortable heat and glare coming through the glass, that was not controllable by blinds or shades.

### Solution:

Hüper Optik's Energy Saver Ceramic and Ceramic 30 films were chosen because of their performance, and the film's unique ability to preserve views throughout the building, maintaining beautiful panoramic landscapes of the San Francisco Bay Area.

### Result:

The combined performance of Hüper Optik's single-layer and patented dual layer ceramics delivered a more comfortable environment and temperature for the tenants of the Bank of America building, preserving views, negating the need for hard window coverings, and cutting infrared rays (major cause of heat) by over 80 percent. Engineering is now reporting no further complaints from the originally unhappy tenants and are very happy with the results.



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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