

## CASE STUDY

# RESIDENTIAL - CERAMIC SERIES MAXIMUM EFFICIENCY

Project Name: Nauru Tower  
Location: Honolulu, Hawaii



*The tower was able to downsize our 500-ton chiller to a 350-ton chiller, thereby reducing energy costs to the association.*

Duane Komine,  
Accredited Residential Manager,  
Nauru Tower

### Tasks:

To maintain the appealing view from the Nauru Tower while helping to balance the internal AC load and maximize the condominiums' efficiency and marketability. To protect the condominiums' interior from heat and high energy bills, and prevent fading of fabrics and carpets, without changing the aesthetics of Nauru Tower's beautiful ocean view.

### Solution:

Hüper Optik® Ceramic series was presented to the Nauru Tower board of directors with emphasis on the durability of nano-ceramic technology. Hüper Optik® Ceramic films are made of metal-free and dye-free materials, which means that they will not appear shiny and they will not fade. Ceramic films block up to

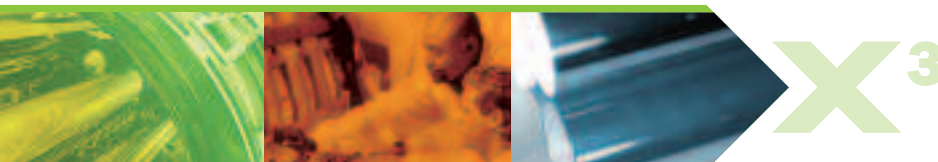
61% of the total solar heat and offer over 99% UV protection, all while leaving the interior and exterior aesthetics unchanged.

### Result:

Upon the Nauru Tower board of directors' approval, installation of Hüper Optik® Ceramic films showed immediate results in reducing energy costs, fading, heat and glare while preserving the view and exterior appearance of Nauru Tower. Residents who have opted to install this film have only positive comments. Duane Komine, accredited residential manager for Nauru Tower, states, "The tower was able to downsize our 500-ton chiller to a 350-ton chiller, thereby reducing energy costs to the association. The Hüper Optik® film has received rave reviews from condominium owners all over the world, including our own board president."



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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