

Chinzan-so building, Tokyo, Japan



Film Type → **ARGENT 65**

19,000
Square Feet

Clear
Heat
Control

87,000
kWh

Cuts cooling costs in hotel complex by 15%

PROJECT TASK

With mandatory power saving regulations on the horizon following energy shortages in post-tsunami Japan, Chinzan-so was looking for a speedy and cost effective solution for its gardens. Assessing the options available, they quickly realized that installing solar control window film could reduce cooling costs drastically. Not only that, but the film could also offer a certain amount of shard protection during earth-tremors. Their only uncertainty was with darkening the rooms, and spoiling the view of the wood-lined gardens.

SOLUTION

PVJ Inc, local distributor of Hanita Coatings window film, delivered the perfect solution – Argent 65 (SC70), an extremely light yet effective spectrally selective solar control film. Though barely noticeable on the window, Argent cut heat build-up through the glass by over 40%, keeping the interior cooler, and neutralizing hot-spots. With lower, more even room temperatures, the air conditioners consumed less energy, and even worked for shorter periods.

RESULT

The energy savings were beyond expectations, cutting over 87,000kwh from the monthly electricity bill, a huge contribution toward fulfilling the government demand for a 15% reduction in energy usage.

And the gardens? Still beautiful.

