

Film Type: Titan 35 Xtra

Tower makeover pays for itself in less than 3 years

China | Bank of Communications, Jinan



Description:

Multi-story commercial tower

Size of job:

5,600m²

Energy savings:

Over 1 million kWh pa

Payback period:

2.9 years

Project during installation – the original reflective pink glass can be seen on the right, and the subtle, sophisticated shade of Titan 35 Xtra on the central windows.

Project task:

The rosy glow of the 32-story Bank of Communications tower was once a prominent landmark in Jinan, Eastern China. But architectural tastes change, and the shiny, reflective pink glazing was looking decidedly dated.

However, replacing the entire glazing system proved to be prohibitively expensive, running to over a million dollars, and involving much disruption to employees and customers.

What could be done?

Solution:

Hanita Coatings came up with the ideal solution – SolarZone Titan 35 Xtra. This dual reflective solar control film could be installed on the exterior of the glass, thus totally transforming the building's appearance, at a fraction of the price of replacing the glazing.

Using two types of simulation modeling, Hanita showed how the building would look after application of Titan 35 Xtra, and also how much energy would be saved on cooling costs by installing the high-efficiency Dual-Reflective film. The management was amazed to find that the entire project could be completed in weeks, with no disturbance to employees or customers. And most importantly, the project would pay for itself in under three years!

Result:

The building was transformed into an attractive, modern feature, well within both budget and schedule constraints. By slashing cooling costs by over 20%, the film enabled a return on investment within three years.