

Film Type: Silver 20

Cuts cooling costs in London offices by 10%

Royal Caribbean | London, UK

**Description:**

Office complex

Size of job:

500m²

Dealer:

Guardian Glazing Films Ltd

Energy savings: 10%

HVAC cost reduction,
3.1 year payback

Project task:

With electricity costs on the increase in the UK and a need to enhance their 'green policy', the management at the Royal Caribbean Cruise line HQ was looking for a solution to make their existing office air conditioning system work more efficiently. The most cost effective option considered was to install solar control film on their tinted glazing, a step that would also give the added bonus of improving visual security and privacy.

Solution:

Guardian Glazing Films Ltd, a leading Hanita window film dealer in the UK, suggested a great solution – Silver 20, a reflective and very effective solar control film. Though the silver mirror effect was hardly noticeable through the blue tinted glazing system, the Silver 20 reduced heat build-up through the glass by over 70%. This kept the interior cooler, and also neutralized hot-spots. With lower, more even room temperatures, the air conditioners consumed less energy, and even worked for shorter periods. What's more, the film created one-way visual privacy, and enhanced the building's exterior by creating a more uniform appearance.

Result:

With over 500m² of Hanita Silver 20 installed, the energy savings were excellent. HVAC costs dropped by over 10%, giving a 3-year return on investment. And with a warranty period of 12 years, it'll be plain sailing for Royal Caribbean to save in cooling costs for the next decade.