



CASE STUDY **DUBAI MALL**

SKY ROOF HEAT CONTROL

Location : Dubai

Sector : Commercial

Product Featured : Silver 20 Exterior Plus -
Solar Control Window Film



CHALLENGE

When Architecture Meets the Arabian Sun

Dubai Mall-one of the world's largest and most prestigious retail destinations-boasts a massive glass sky roof that defines its grandeur. But this architectural jewel came with a challenge:



SOLUTION

Performance Wrapped in Mirror-Finish Elegance

Global Window Films' **Silver 20 Exterior Plus** was selected not just as a film, but as a transformation agent



RESULTS AND BENEFITS



Unfiltered solar exposure was turning the **5,500 sqm** glass canopy into a solar trap



2,100 sqm installed in just 30 days -a phased, precision-led deployment without disturbing mall



81% Solar Heat Rejection - Dramatically reduced thermal ingress, creating cooler zones



92% Infrared Rejection- Lowered radiant heat buildup, boosting HVAC efficiency



HVAC systems were under constant pressure, escalating energy consumption & operational costs



Designed to **balance visibility with protection**, ensuring shoppers experienced comfort without noticing



99% UV Rejection- Protected luxury interiors, furnishings, and high-value merchandise from fading



Any retrofit solution had to **preserve the design language** of the structure



Delivered a **striking silver-mirrored exterior** that elevated the mall's futuristic look, while keeping interiors bright



Improved AC Efficiency- Reduced runtime, flattened energy peaks, & contributed to long-term cost savings



Aesthetic Uplift- Mirrored silver finish enhanced the mall's exterior presence