

By Appointment to  
Her Majesty The Queen  
Suppliers and Installers of  
Ultraviolet Filters and Traditional Blinds  
Sun-X (UK) Ltd, Bognor Regis

# ENERGY-SAVING 'LOW-E' WINDOW FILM

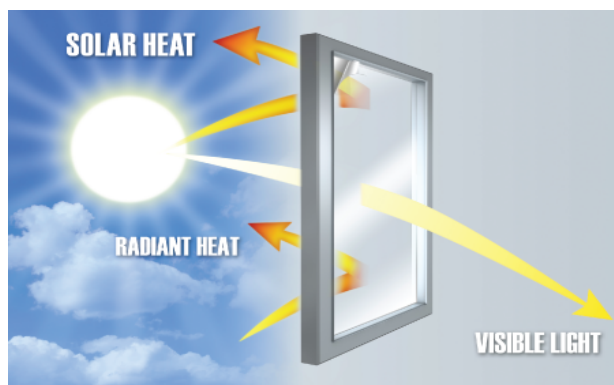
**Problem:** Heat loss through glazing can account for 25% of buildings heating requirements, Solar heat gain through the glazing can account for 33% of cooling requirements.

**Solution:** Market-Leading 'Low-E' window film from Sun-X.

Winter



Summer



## Low Emissivity (Low-E) Window Film

Heating, cooling and ventilation systems are responsible for over 50% of carbon emissions in non-domestic buildings and are largely impacted by the performance of the building's glazing.

Traditionally, window films are used to reduce summer cooling requirements. Low-E film from Sun-X also reduces heat loss in winter, providing a true "all-season" solution that can significantly reduce total building energy consumption, often by more than 10%.

### Key Features

#### 1) 'Low-E' coating:

- Reflects radiant energy back to its source, reducing single glazing U-Value from 5.8 to as low as 4.19, an improvement of up to 28%.

#### 2) Helps protect against sun damage:

- Reduces UV transmission by over 99%, solar energy by up to 73%, and lux levels by up to 72%, all contributory factors to fabric deterioration.

### Key Benefits

- Faster cost-payback than installing new windows.
- Cost and carbon savings in every season - 'always on' technology
- Significant savings over product lifetime
- Also available in a clear, non-reflective finish for listed buildings.
- Low solar absorption rates, reflecting air-conditioning back into the room, rather than being lost through the glass, as well as reducing solar heat gain.

### Conclusion

Low-E window film has significant potential to reduce costs, carbon emissions and improve the environment for building occupants all year round. It is therefore a highly effective retrofit option for organisations looking to meet budgetary and environmental targets whilst maintaining a productive environment for occupants.

Sun-X is one of Britain's oldest established window film and blinds installation specialists with an enviable reputation for quality.

Sun-X can provide a full energy analysis, which calculates potential energy, cost and carbon savings using sophisticated building modelling software, together with a professional nationwide installation service.

