



SOLAR CONTROL WINDOW FILM FOR ENHANCED HVAC ENERGY SAVING

Modern air conditioning systems are designed to deliver optimum energy efficiency in heating and cooling, however, during the summer months, heat build-up through windows heavily increases the load on cooling systems which can be very costly.

Principal Climate Technology's SOLEX™ energy-saving window films complement air conditioning systems by reflecting solar energy and UV rays before they enter the building. This reduces reliance on cooling systems which substantially reduces energy usage and costs.

SOLEX™30 BENEFITS:

- Reduces heat build-up through windows during summer
- Reduces air conditioning running costs by up to 30%
- Reduces heat loss through windows during winter
- Reduces maintenance costs
- Reduces carbon emissions
- Improves occupant comfort and productivity
- At least 50% cheaper than fitted blinds
- Low cost and quick to install

SOLEX™30 window film has a warm and neutral internal reflectance - it allows the natural light to enter giving a luminous, temperate environment. Externally, the film has a neutral charcoal finish with low reflection.

APPLICATIONS

SOLEX™30 is ideal for most internal commercial, residential, and industrial applications glass applications for reduced heat and glare, UV protection, and privacy.

Also suitable schools, residential properties of all types, conservatories, and skylights.

PERFORMANCE DATA

Total Solar Energy Reduction	61%
Solar Energy Reflected	29%
Solar Energy Absorbed	48%
Solar Energy Transmittance	23%
Visible Light Transmittance	29%
Visible Light Reflected	27%
Glare Reduction	65%
Ultra Violet Light Reflected	99%
Shading Coefficient	.54
Solar Heat Gain Coeff. (g Value)	.46
Emissivity	.75
Winter U-Factor (W/m ² °C)	2.72

CARBON NEGATIVE

The environmental impact required to manufacture, distribute, install, and dispose of the film at the end of its lifecycle is less than the carbon reduction achieved as a result of installation.

WARRANTY

Film is covered by a 2-year manufacturer warranty and has a life expectancy of 12-15 years.