



WINDOW FILM TECHNOLOGY FOR MAXIMUM UV PROTECTION

Principal Climate Technology's SOLEX™70 is a natural-looking internal window film that blocks over 99% of UV light, preventing heat build-up and protecting internal furnishings and valuable artifacts.

SOLEX™70 BENEFITS:

- Blocks 99% of ultraviolet light
- Reduces glare
- Protects valuable artifacts from fading
- Protects furnishings from fading
- Prolongs the life of colour in furnishings
- Improves occupant comfort
- At least 50% cheaper than fitted blinds
- Low cost and quick to install

APPLICATIONS

SOLEX™70 is ideal for most commercial and residential applications but is particularly beneficial for buildings where sunlight hits any internal furnishings, as well as historical buildings, museums, large glass-fronted retail outlets, hotels or buildings where large numbers of people congregate behind large glass walls.

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.

OPTICAL AND SOLAR PROPERTIES

	Single Pane	Double Pane
Visible Light Transmitted	67 %	61 %
Visible Light Reflected (Int)	14 %	18 %
Visible Light Reflected (Ext)	16 %	21 %
Ultra Violet Block	99 %	99 %
Total Solar Energy Reflected	24 %	25 %
Total Solar Energy Transmitted	37 %	33 %
Total Solar Energy Absorbed	39 %	42 %
Emissivity (Room Side)	0.82	0.82
Glare Reduction	25 %	24 %
Shading Coefficient	0.56	0.63
Solar Heat Gain Coe_. (G-Value)	0.48	0.55
U-Value Winter (IP)	1.03	0.48
U-Value Winter (SI)	5.85	2.71
Luminous Efficacy	1.20	0.97
Total Solar Energy Rejected	52 %	45 %

WARRANTY

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