



# SAFETY & SECURITY FILM

## 100 Micron - Clear

### SA-100CL-iSR

**Opalux® safety and security window films are designed to make glass safer, both by strengthening it against breakage and helping hold dangerous shards of shattered glass in situations where breakage does occur.**

Tested and certified to EN 12600 Class 2B2, Opalux® 100-micron clear safety and security film is used as a minimum specification for safety film and can be used by organisations to address Regulation 14 of the Workplace (Health, Safety and Welfare) Regulations 1992 by upgrading low-level glazing where necessary for reasons of health and safety. Opalux® safety and security window films are suitable for use in many applications in the workplace and home. Other benefits can include improved security by creating a deterrent to “smash-and-grab” and forced entry crime, and providing protection against the vandalism of glass through graffiti such as the etching or scratching of glass.

### FEATURES

- High optical clarity
- Quick, retro-fit installation
- Scratch-resistant
- Screening of harmful UV rays

### BENEFITS

- Clear, non-tinted appearance on glass
- Can be used where costly and disruptive large-scale replacement of existing glazing is not a viable option
- Suitable for most non-abrasive window-cleaning methods
- Reduced fading of interior furnishings

### PERFORMANCE DATA

PERFORMANCE DATA		SA-100CL-iSR
SOLAR ENERGY	Transmitted	78%
	Reflected	9%
	Absorbed	13%
VISIBLE LIGHT	Transmitted	88%
	Reflected (Interior)	10%
	Reflected (Exterior)	10%
UV Rejection		98%
Glare Reduction		0%
Shading Coefficient		0.93
Solar Heat Gain Coefficient (G-Value)		0.81
U-Value (W/m²K)		6.08
Total Solar Energy Rejected		19%
Product Warranty*		10 years

### PHYSICAL PROPERTIES

Description	Clear
Film Thickness	100-Microns (4-thou)
Structure	Single Ply
Tensile Strength	28,500 PSI
Break Strength	110 Pounds per Inch (width)
Adhesive Type	Acrylic Pressure Sensitive
Peel Strength	6 to 7 Pounds per Inch

### NOTES

Test results are produced from film applied to 3mm clear single glass. Performance data is subject to change without prior notice. It is the users’ responsibility to ensure the product is suitable for the intended use. The seller shall not be liable for any direct, indirect or consequential loss or damage howsoever arising.

### SPECIFICATION

The safety and security window film is to be Opalux® SA-100CL-iSR, as manufactured by Opalux® ([www.opaluxwindowfilms.com](http://www.opaluxwindowfilms.com)). The film is to be installed to the interior surface of the glass, and the unique product roll numbers used are to be registered in accordance with the manufacturer’s warranty procedure.

An exterior grade is available.  
Refer to code: SA100CL-eSR.