



# SAFETY & SECURITY FILM

## 150 Micron – Fine Acid Etch White

### PA-906

SAFETY & SECURITY

Opalux® Safety 150 Micron Matt White films is 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 along with the benefit of an etched privacy film.

Opalux® Translucent 150-micron Matt White frost product is used to obscure vision and give enhanced shatter resistant and safe breakage qualities to existing glass. They are suitable for use in applications in the workplace and home. Other benefits can include improved security by creating a deterrent to “smash-and-grab” and forced entry crime. It is 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.

### FEATURES

- High light transmission
- Quick, retro-fit installation
- Removable
- Incorporate manifestations and graphics

### BENEFITS

- Two-way privacy whilst maintaining abundant light levels
- Introduce privacy when and where it is required; ideal for glazing in rooms with a change of use
- Gives the option to remove, replace or update in the future
- Can be used to help satisfy Health & Safety requirements for large areas of uninterrupted glazing, such as glass partitions
- Add a company’s existing or new corporate identity to both internal and external glazing

### PERFORMANCE DATA

		PA-906
SOLAR ENERGY	Transmitted	62%
	Reflected	19%
	Absorbed	19%
VISIBLE LIGHT	Transmitted	70%
	Reflected (Interior)	20%
	Reflected (Exterior)	21%
UV Rejection		99%
Glare Reduction		20%
Shading Coefficient		0.80
Solar Heat Gain Coefficient (G-Value)		0.70
U-Value (W/m²K)		5.62
Total Solar Energy Rejected		30%
Product Warranty		10 years

### PHYSICAL PROPERTIES

Description	Fine Acid Etch - White
Film Thickness	150-Microns (6-thou)
Structure	Multi Ply Laminate
Tensile Strength	25,000 PSI
Break Strength	100 Pounds per Inch (width)
Adhesive Type	Acrylic Pressure Sensitive
Peel Strength	5 to 6 Pounds per Inch

Tested and certified to EN 12600 Class 2B2

### NOTES

Test results are produced from film applied to 3mm clear single glass. Performance data is subject to change without prior notice. Accurate selection of window film requires specialist knowledge, and it is recommended that specifiers contact the company at the specification stage. 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 privacy control film is to be Opalux® PA-906, as manufactured by Opalux® (www.opaluxwindowfilms.com). The window film is to be installed to the interior side of the glass, and the unique product roll numbers used are to be registered in accordance with the manufacturer’s warranty procedure.

# SAFETY & SECURITY FILM

## 100 Micron – Reflective Silver 20

### SA-20RS/100-iSR



### Opalux® 100-micron reflective Silver 20 combines the benefits of solar heat and glare control with safety and security in the one film installation.

Opalux® single ply combined silver 20 is used as a minimum specification for safety film and can be used by organisations to address regulation 14 of the workplace (Health, Safety & Welfare) regulations 1992 by upgrading low-level glazing where necessary for reason of health and safety, along with the features of a solar control film. It is 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. They are suitable for use in 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. Also the combined daytime reflective appearance offers extra privacy protection and excellent heat and glare rejection.

### FEATURES

- Excellent solar heat and glare rejection
- Cuts energy use for cooling
- Reflective daytime appearance
- Quick, retro-fit installation
- Scratch-resistant coating
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by excessive heat and glare
- Provides the option for solar control still to be provided where an internal installation is deemed not possible or not advisable
- Increased daytime privacy from outside looking in
- 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		SA-20RS/100-iSR
SOLAR ENERGY	Transmitted	12%
	Reflected	48%
	Absorbed	40%
VISIBLE LIGHT	Transmitted	17%
	Reflected (Interior)	57%
	Reflected (Exterior)	56%
UV Rejection		99%
Glare Reduction		81%
Shading Coefficient		0.26
Solar Heat Gain Coefficient (G-Value)		0.23
U-Value (W/m²K)		5.61
Total Solar Energy Rejected		77%
Product Warranty		10 years

PHYSICAL PROPERTIES	
Description	Dark Tint
Film Thickness	100-Microns (4-thou)
Structure	Multi Ply Laminate
Tensile Strength	25,000 PSI
Break Strength	100 Pounds per Inch (width)
Adhesive Type	Acrylic Pressure Sensitive
Peel Strength	6 to 7 Pounds per Inch

Tested and certified to EN 12600 Class 2B2

### 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-20RS/100-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.

# SAFETY & SECURITY FILM

## 200 Micron – Reflective Silver 20

### SA-20RS/200-iSR



### Opalux® 200-Micron Reflective Silver 20 combines the benefits of solar heat and glare control with safety and security in the one film installation.

Opalux® combined 200-micron silver 20 is used by Government and commercial organisations where high-performance safety, particularly with reference to risk of bomb-blast, is required along with the features of a solar control film. It is 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. They are suitable for use in 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. Also the combined daytime reflective appearance offers extra privacy protection and excellent heat and glare rejection.

### FEATURES

- Excellent solar heat and glare rejection
- Cuts energy use for cooling
- Reflective daytime appearance
- Quick, retro-fit installation
- Scratch-resistant coating
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by excessive heat and glare
- Provides the option for solar control still to be provided where an internal installation is deemed not possible or not advisable
- Increased daytime privacy from outside looking in
- 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		SA-20RS/200-iSR
SOLAR ENERGY	Transmitted	11%
	Reflected	48%
	Absorbed	41%
VISIBLE LIGHT	Transmitted	17%
	Reflected (Interior)	54%
	Reflected (Exterior)	51%
UV Rejection		99%
Glare Reduction		81%
Shading Coefficient		0.26
Solar Heat Gain Coefficient (G-Value)		0.23
U-Value (W/m²K)		6.13
Total Solar Energy Rejected		77%
Product Warranty		10 years

PHYSICAL PROPERTIES	
Description	Dark Tint
Film Thickness	200-Microns (8-thou)
Structure	Multi Ply Laminate
Tensile Strength	28,500 PSI
Break Strength	220 Pounds per Inch (width)
Adhesive Type	Acrylic Pressure Sensitive
Peel Strength	6 to 7 Pounds per Inch

Tested and certified to EN 12600 Class 1B1

### NOTES

Test results are produced from film applied to 3mm clear single glass. Performance data is subject to change without prior notice. Accurate selection of window film requires specialist knowledge, and it is recommended that specifiers contact the company at the specification stage. 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 solar control film is to be Opalux® SA-20RS/200-iSR, as manufactured by Opalux® ([www.opaluxwindowfilms.com](http://www.opaluxwindowfilms.com)). The window film is to be installed to the interior side of the glass, and the unique product roll numbers used are to be registered in accordance with the manufacturer’s warranty procedure.

# SAFETY & SECURITY FILM

## 100 Micron – Reflective Silver 35

### SA-35RS/100-iSR



### Opalux® 100-micron Reflective Silver 35 combines the benefits of solar heat and glare control with safety and security in the one film installation.

Opalux® single ply combined silver 35 is used as a minimum specification for safety film and can be used by organisations to address regulation 14 of the workplace (Health, Safety & Welfare) regulation 1992 by upgrading low-level glazing where necessary for reason of health and safety, along with the features of a solar control film. It is 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. They are suitable for use in 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. Also the combined daytime reflective appearance offers extra privacy protection and good heat and glare rejection.

### FEATURES

- Good solar heat and glare rejection
- Cuts energy use for cooling
- Reflective daytime appearance
- Quick, retro-fit installation
- Scratch-resistant coating
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by excessive heat and glare
- Provides the option for solar control still to be provided where an internal installation is deemed not possible or not advisable
- Increased daytime privacy from outside looking in
- 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		SA-35RS/100-iSR
SOLAR ENERGY	Transmitted	21%
	Reflected	42%
	Absorbed	37%
VISIBLE LIGHT	Transmitted	34%
	Reflected (Interior)	26%
	Reflected (Exterior)	28%
UV Rejection		99%
Glare Reduction		61%
Shading Coefficient		0.40
Solar Heat Gain Coefficient (G-Value)		0.35
U-Value (W/m²K)		5.51
Total Solar Energy Rejected		65%
Product Warranty		10 years

PHYSICAL PROPERTIES	
Description	Medium Tint
Film Thickness	100-Microns (4-thou)
Structure	Multi Ply Laminate
Tensile Strength	25,000 PSI
Break Strength	100 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-35RS/100-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.