



Silver Reflective Films

Silver reflective films have superior heat rejection and glare reduction. Its reflective surface blocks up to 99% of UV rays, protecting interiors and reducing energy costs by keeping spaces cooler. Ideal for enhancing comfort, energy efficiency, and modern aesthetics, it's a durable and cost-effective choice for residential, or commercial use. Reflective films provide privacy during daylight hours only. At night, privacy is reduced when interior lighting is brighter than outside.

	Silver Reflective 5%	Silver Reflective 15%	Silver Reflective 15% - EXTERNAL	Silver Reflective 35%	Silver Reflective 50%
LIGHT & GLARE					
Transmission %	8%	20%	21%	39%	55%
Reflectance (internal) %	68%	49%	51%	27%	21%
Glare Reduction %	83%	72%	71%	55%	41%
SOLAR ENERGY					
Transmittance %	7%	19%	19%	30%	45%
Reflectance %	65%	53%	53%	36%	23%
Absorptance %	29%	28%	28%	34%	32%
Total solar energy rejected %	86%	74%	74%	61%	46%
Solar Heat Gain Coefficient	0.16	0.28	0.33	0.41	0.57
ULTRAVIOLET & INFRARED					
UV Rejection			99%		
IR Rejection	91%	81%	81%	67%	48%
Anti-Fade Rating (0- 100)	95	90	90	82	73
INSTALLATION GUIDELINES					
Clear Std Glass	✓	✓	✓	✓	✓
Large Glass >2m ²	✓	✓	✓	✓	✓
Low E Single Pane	✓	✓	✓	✓	✓
Clear Double Pane	✓	✓	✓	✓	✓
Double Pane >2m ²	✓	✓	✓	✓	✓
Stock Code	SILV05	SILV15	SILV15EXT	SILV35	SILV50

- ✓ Silver Films offer superior heat reduction as well as privacy for 5% & 15%.
- ✓ All cost-effective films.
- ✓ Silver Exterior is a quality option for an exterior film.
- ✓ The film reflects the heat causing minimal heat absorption on the glass pane.
- ✗ At night the reflection of the film reverses if the internal lights are on, resulting in less privacy.

Distributed by: **Apex Auto Shield**

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Silver Reflective 5%

Silver Reflective 5% window film has exceptional privacy, superior heat rejection, and glare reduction. Its reflective surface blocks up to 99% of UV rays, protecting interiors and reducing energy costs by keeping spaces cooler. Ideal for enhancing comfort, energy efficiency, and modern aesthetics, it's a durable and cost-effective choice for residential, commercial, or automotive use. This film is made for internal use.

Technical Performance Data

Calculated on 3mm glass

Natural Light & Glare	
VLT (Visible Light Transmission)	8%
Visible Light Reflectance (internal)	68%
Glare Reduction	83%
Solar Energy	
Transmittance	7%
Reflectance	65%
Absorption	29%
TSER (Total Solar Energy Rejected)	86%
Thermal Energy	
Shading Coefficient	0.19
Solar Heat Gain Coefficient	0.16
U-Value - (W/m² K)	5.8
R-Value - (m² K/W)	0.17
Ultraviolet & Infrared	
UV Rejection	99%
IR Rejection	91%
Anti-Fade Rating (0 - 100)	95
Manufactured Specifications	
Thickness	50 µm
Structure	2 Ply
Composition	PET
Warranty	5 Years
Colour	Silver
Stock Code	SILV05

Installation Guidelines

Vertical Installation on standard glass surface

Single Pane Glazing	
Clear Standard Glass	✓
Thermally Toughened Safety Glass	✓
PVB / Laminated Glass - correct spacing	✓
Glass Panes Exceeding 2 SQM	✓
Low-E Glass	✓
Glass with poor quality edging/spacing	✓
Double Pane / Double Glazing	
Clear Double Pane	✓
Tinted Double Pane	✓
Gas-Filled Double Pane (Low-E)	✓
Glass Panes Exceeding 2 SQM	✓
PVB / Laminated Glass with correct spacin	✓
Thermally Toughened Safety Glass	✓
Glass with poor quality edging/spacing	!
Safety Guideline Symbols	
	Symbol
Safe to install	✓
Unsafe to install	X
Caution, will cause thermal stress	!
Safety Performance	
For Internal use only	✓
Peel Strength (gr/inch)	>1800

Guidelines provided are based on a single glass surface up to 2.5 m² with no single length or width greater than 2 meters.

Silver Reflective 15%

Silver Reflective 15% window film has balanced privacy, glare reduction, and heat rejection while maintaining moderate natural light. It blocks up to 99% of UV rays, protects interiors, and enhances energy efficiency. The reflective finish adds a sleek aesthetic and reduces cooling costs, making it an ideal choice for homes or offices. This film is made for internal use.

Technical Performance Data

Calculated on 3mm glass

Natural Light & Glare

VLT (Visible Light Transmission)	20%
Visible Light Reflectance (internal)	49%
Glare Reduction	72%

Solar Energy

Transmittance	19%
Reflectance	53%
Absorption	28%
TSER (Total Solar Energy Rejected)	74%

Thermal Energy

Shading Coefficient	0.33
Solar Heat Gain Coefficient	0.28
U-Value - (W/m² K)	5.8
R-Value - (m² K/W)	0.17

Ultraviolet & Infrared

UV Rejection	99%
IR Rejection	81%
Anti-Fade Rating (0 - 100)	90

Manufactured Specifications

Thickness	50 µm
Structure	2 Ply
Composition	PET
Warranty	5 Years
Colour	Silver
Stock Code	SILV15

Installation Guidelines

Vertical Installation on standard glass surface

Single Pane Glazing

Clear Standard Glass	✓
Thermally Toughened Safety Glass	✓
PVB / Laminated Glass - correct spacing	✓
Glass Panes Exceeding 2 SQM	✓
Low-E Glass	✓
Glass with poor quality edging/spacing	✓

Double Pane / Double Glazing

Clear Double Pane	✓
Tinted Double Pane	✓
Gas-Filled Double Pane (Low-E)	✓
Glass Panes Exceeding 2 SQM	✓
PVB / Laminated Glass with correct spacin	✓
Thermally Toughened Safety Glass	✓
Glass with poor quality edging/spacing	!

Safety Guideline Symbols

Symbol

Safe to install	✓
Unsafe to install	X
Caution, will cause thermal stress	!

Safety Performance

For Internal use only	✓
Peel Strength (gr/inch)	>1800

Guidelines provided are based on a single glass surface up to 2.5 m² with no single length or width greater than 2 meters.

Silver 15% - External

Silver Reflective 15% External window film offers excellent heat rejection, glare reduction, and daytime privacy. Designed for outdoor application, it enhances energy efficiency, blocks up to 99% of UV rays, and protects interiors from fading. With a sleek, reflective finish, it upgrades aesthetics while maintaining comfort, making it ideal for commercial or residential use. This film is made for external use. This film is not made for horizontal installations.

Technical Performance Data

Calculated on 3mm glass

Natural Light & Glare

VLT (Visible Light Transmission)	21%
Visible Light Reflectance (internal)	51%
Glare Reduction	71%

Solar Energy

Transmittance	19%
Reflectance	53%
Absorption	28%
TSER (Total Solar Energy Rejected)	74%

Thermal Energy

Shading Coefficient	0.37
Solar Heat Gain Coefficient	0.33
U-Value - (W/m² K)	5.8
R-Value - (m² K/W)	0.17

Ultraviolet & Infrared

UV Rejection	99%
IR Rejection	81%
Anti-Fade Rating (0 - 100)	90

Manufactured Specifications

Thickness	50 µm
Structure	2 Ply
Composition	PET
Warranty	**3 Years
Colour	Silver
Stock Code	SILV15EX

** Edges to be sealed

Installation Guidelines

Vertical Installation on standard glass surface

Single Pane Glazing

Clear Standard Glass	✓
Thermally Toughened Safety Glass	✓
PVB / Laminated Glass - correct spacing	✓
Glass Panes Exceeding 2 SQM	✓
Low-E Glass	✓
Glass with poor quality edging/spacing	✓

Double Pane / Double Glazing

Clear Double Pane	✓
Tinted Double Pane	✓
Gas-Filled Double Pane (Low-E)	✓
Glass Panes Exceeding 2 SQM	✓
PVB / Laminated Glass with correct spacing	✓
Thermally Toughened Safety Glass	✓
Glass with poor quality edging/spacing	!

Safety Guideline Symbols

Safety Guideline Symbols	Symbol
Safe to install	✓
Unsafe to install	X
Caution, will cause thermal stress	!

Safety Performance

For External use	✓
Peel Strength (gr/inch)	>1800

Guidelines provided are based on a single glass surface up to 2.5 m² with no single length or width greater than 2 meters.



Architectural

Silver Reflective 35%

Silver Reflective 35% window film is a balance of privacy, heat rejection, and natural light. It reduces glare, blocks up to 99% of UV rays, and lowers energy costs by keeping interiors cooler. With a subtle reflective finish, it enhances aesthetics while protecting furnishings, making it an excellent choice for homes or offices. This film is made for internal use.

Technical Performance Data

Calculated on 3mm glass

Natural Light & Glare

VLT (Visible Light Transmission)	39%
Visible Light Reflectance (internal)	27%
Glare Reduction	55%

Solar Energy

Transmittance	30%
Reflectance	36%
Absorption	34%
TSER (Total Solar Energy Rejected)	61%

Thermal Energy

Shading Coefficient	0.47
Solar Heat Gain Coefficient	0.41
U-Value - (W/m ² K)	5.8
R-Value - (m ² K/W)	0.17

Ultraviolet & Infrared

UV Rejection	99%
IR Rejection	67%
Anti-Fade Rating (0 - 100)	82

Manufactured Specifications

Thickness	50 µm
Structure	2 Ply
Composition	PET
Warranty	5 Years
Colour	Silver
Stock Code	SILV35

Installation Guidelines

Vertical Installation on standard glass surface

Single Pane Glazing

Clear Standard Glass	✓
Thermally Toughened Safety Glass	✓
PVB / Laminated Glass - correct spacing	✓
Glass Panes Exceeding 2 SQM	✓
Low-E Glass	✓
Glass with poor quality edging/spacing	!

Double Pane / Double Glazing

Clear Double Pane	✓
Tinted Double Pane	✓
Gas-Filled Double Pane (Low-E)	✓
Glass Panes Exceeding 2 SQM	✓
PVB / Laminated Glass with correct spacing	✓
Thermally Toughened Safety Glass	✓
Glass with poor quality edging/spacing	X

Safety Guideline Symbols

	Symbol
Safe to install	✓
Unsafe to install	X
Caution, will cause thermal stress	!

Safety Performance

For Internal use only	✓
Peel Strength (gr/inch)	>1800

Guidelines provided are based on a single glass surface up to 2.5 m² with no single length or width greater than 2 meters.

Silver Reflective - 35% Internal

Silver Reflective 50%

Silver Reflective 50% window film is ideal for a light, natural look with moderate privacy and effective heat rejection. It reduces glare, blocks up to 99% of UV rays, and helps maintain cooler interiors while allowing more natural light. Perfect for enhancing comfort, protecting furnishings, and improving energy efficiency in homes, offices, or vehicles without darkening spaces. This film is made for internal use.

Technical Performance Data

Calculated on 3mm glass

Natural Light & Glare

VLT (Visible Light Transmission)	55%
Visible Light Reflectance (internal)	21%
Glare Reduction	41%

Solar Energy

Transmittance	45%
Reflectance	23%
Absorption	32%
TSER (Total Solar Energy Rejected)	46%

Thermal Energy

Shading Coefficient	0.64
Solar Heat Gain Coefficient	0.57
U-Value - (W/m ² K)	5.8
R-Value - (m ² K/W)	0.17

Ultraviolet & Infrared

UV Rejection	99%
IR Rejection	48%
Anti-Fade Rating (0 - 100)	73

Manufactured Specifications

Thickness	50 µm
Structure	2 Ply
Composition	PET
Warranty	5 Years
Colour	Silver
Stock Code	SLV50

Installation Guidelines

Vertical Installation on standard glass surface

Single Pane Glazing

Clear Standard Glass	✓
Thermally Toughened Safety Glass	✓
PVB / Laminated Glass - correct spacing	✓
Glass Panes Exceeding 2 SQM	✓
Low-E Glass	✓
Glass with poor quality edging/spacing	!

Double Pane / Double Glazing

Clear Double Pane	✓
Tinted Double Pane	✓
Gas-Filled Double Pane (Low-E)	✓
Glass Panes Exceeding 2 SQM	✓
PVB / Laminated Glass with correct spacing	✓
Thermally Toughened Safety Glass	✓
Glass with poor quality edging/spacing	X

Safety Guideline Symbols

	Symbol
Safe to install	✓
Unsafe to install	X
Caution, will cause thermal stress	!

Safety Performance

For Internal use only	✓
Peel Strength (gr/inch)	>1800

Guidelines provided are based on a single glass surface up to 2.5 m² with no single length or width greater than 2 meters.