

EASTMAN

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AUTOMOTIVE
Window Film &
Paint Protection Film



AUTOMOTIVE
Window Film & Paint Protection Film





AUTOMOTIVE
Window Film &
Paint Protection Film





LLumar® window film makes every ride more enjoyable.

With LLumar window film you can enjoy a more confident ride that comes from knowing you and your family have protection from the sun's harmful UV rays, heat and glare. Available in a variety of shades, from clear to dark charcoal, you can choose a look that not only helps reject heat, but also reflects your personality. For further peace of mind, LLumar window film can help protect your privacy and valuables from prying eyes. No matter how much time you spend in your car, you deserve the comfort, style and protection of LLumar automotive window films – one of the most trusted brands on the market.

TECHNICAL DEFINITIONS



Visible light transmission (VLT)

The percentage of visible light that passes directly through filmed glass: the higher the number, the lighter the film.

Total solar energy rejection (TSER)

The percentage of total solar energy rejected by filmed glass. The higher this value, the less solar heat energy is transmitted by the glass.

IR energy rejection (IRER)

A more complete measurement of heat experienced from solar infrared radiation (780-2500nm) including absorbed and re-radiated energy.

Selective IR rejection (SIRR)

A measurement of solar infrared radiation (780-2500nm) not directly transmitted through glass.

Ultraviolet (UV) protection

The percentage of total UV solar energy (300-380 nanometers) that is prevented from passing through the glass. Ultraviolet contributes to the fading and deterioration of fabrics and leather.

Glare reduction

The percentage by which visible light is reduced by the addition of film.

Visible light reflection (VLR)

The higher the visible reflection of a glazing system, the more mirror-like its appearance.

TEST METHODS



The solar performance data reported for LLumar® automotive window films was captured using the National Fenestration Rating Council's (NFRC) guidelines for window film solar performance measurement and calculated for single pane, nominal ¼ inch (6mm), clear glass. Reported values are taken from representative product samples and are subject to normal manufacturing variances. Actual performance will vary based on a number of factors, including glass type and properties.

TECHNICAL DISCLAIMER

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MANUFACTURER'S LIMITED WARRANTY



Manufacturer warrants that the product shall conform to Manufacturer's standard specifications. Manufacturer excludes any warranty of any kind, express or implied, with respect to the goods sold hereunder as to merchantability, fitness for a particular purpose or any other matter with respect to the goods whether used alone or in combination with other products. If Buyer establishes a verified breach of this warranty within the Warranty Claim Period (as defined below), then Manufacturer will, at its option and expense, either (A) replace the non-conforming products with conforming products or (B) issue Buyer a credit toward next purchase in the amount of the original price of the non-conforming products. Buyer's failure to so notify Manufacturer of its warranty claim within the Warranty Claim Period will constitute a waiver of such claim regardless of whether the facts giving rise to such claim were discovered or were discoverable during the Warranty Claim Period. The "Warranty Claim Period" means thirty days after Buyer becomes aware, or reasonably should have become aware of the product's failure to conform to Manufacturer's standard specifications.

This Warranty is only valid and applicable if product is installed by a qualified installer according to Manufacturer's installation guidelines. Manufacturer hereby excludes and disclaims any and all warranty or liability for defects which are caused by or the result of improper installation.

IMPORTANT NOTICE

Local, national and international regulations may apply for the installation of automotive window film. Please check the applying legislation regarding requisitions for installation, light transmissions etc.

OUR BEST**IRX SERIES**

IRX 05 CH SR HPR*	(Charcoal)	5%	62%	85%
IRX 15 CH SR HPR*	(Charcoal)	20%	59%	88%
IRX 35 CH SR HPR*	(Charcoal)	38%	54%	87%
IRX 50 CH SR HPR*	(Charcoal)	53%	49%	87%

EXCELLENT**CTX SERIES**

CTX 05 CH SR HPR	(Charcoal)	5%	60%	79%
CTX 15 CH SR HPR	(Charcoal)	20%	53%	69%
CTX 35 CH SR HPR	(Charcoal)	37%	48%	69%
CTX 50 CH SR HPR	(Charcoal)	55%	43%	68%

GREAT**ATR SERIES**

ATR 05 CH SR HPR	(Charcoal)	5%	61%	68%
ATR 15 CH SR HPR	(Charcoal)	18%	48%	51%
ATR 20 CH SR HPR	(Charcoal)	25%	47%	52%
ATR 35 CH SR HPR	(Charcoal)	37%	44%	53%
ATR 50 CH SR HPR	(Charcoal)	53%	35%	37%

GOOD**ATC SERIES**

ATC 05 CH SR HPR	(Charcoal)	5%	44%	29%
ATC 15 CH SR HPR	(Charcoal)	18%	40%	29%
ATC 20 CH SR HPR	(Charcoal)	25%	38%	29%
ATC 35 CH SR HPR	(Charcoal)	38%	35%	29%
ATC 50 CH SR HPR	(Charcoal)	60%	28%	28%

INFRARED & TOTAL HEAT REJECTION

VLT Visible Light Transmission, **TSER** Total Solar Energy Rejection, **SIRR** Selective IR Rejection (wavelengths 780-2500nm)
See more technical information inside

* Based on data obtained during product development and is subject to change.

AIR SERIES

		VLT	TSER	SIRR
AIR 75 IR SR HPR	(Clear)	77%	35%	62%
AIR 80 BL SR HPR	(Clear)	77%	43%	86%
AIR 90 CL SR HPR	(Clear)	84%	30%	57%

UV SHIELD SERIES

AU 85 UV SR HPR	(Clear)	87%	20%	29%
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SAFETY & SECURITY SERIES

SCL SR PS 4	(Clear)	87%	20%	30%
SCL SR PS 8	(Clear)	87%	20%	30%
SA 05 CH SR PS 4	(Charcoal)	7%	43%	30%
SA 15 CH SR PS 4	(Charcoal)	17%	41%	30%
SA 35 CH SR PS 4	(Charcoal)	37%	35%	29%
SA 15 CH SR PS 8	(Charcoal)	18%	41%	31%
SA 35 CH SR PS 8	(Charcoal)	36%	36%	30%

AT SERIES

AT 05 CH SR HPR	(Charcoal)	6%	44%	29%
AT 15 CH SR HPR	(Charcoal)	18%	40%	29%
AT 20 CH SR HPR	(Charcoal)	24%	38%	28%
AT 35 CH SR HPR	(Charcoal)	36%	35%	29%
AT 50 CH SR HPR	(Charcoal)	51%	31%	29%
AT 05 GR SR HPR	(Grey)	7%	43%	29%
AT 15 GR SR HPR	(Grey)	14%	41%	28%
AT 35 GR SR HPR	(Grey)	38%	33%	28%
AT 50 GR SR HPR	(Grey)	55%	29%	28%

PAINT PROTECTION FILM

Platinum Extra
Platinum
Gloss
Matte

VLT Visible Light Transmission, **TSER** Total Solar Energy Rejection, **SIRR** Selective IR Rejection (wavelengths 780-2500nm)
See more technical information inside

Data captured using National Fenestration Rating Council's (NFRC) guidelines and calculated for single pane, nominal ¼ inch (6mm) clear glass. Reported values are taken from representative product samples and are subject to normal manufacturing variances. Actual performance will vary based on a number of factors, including glass type and properties.



IRX SERIES

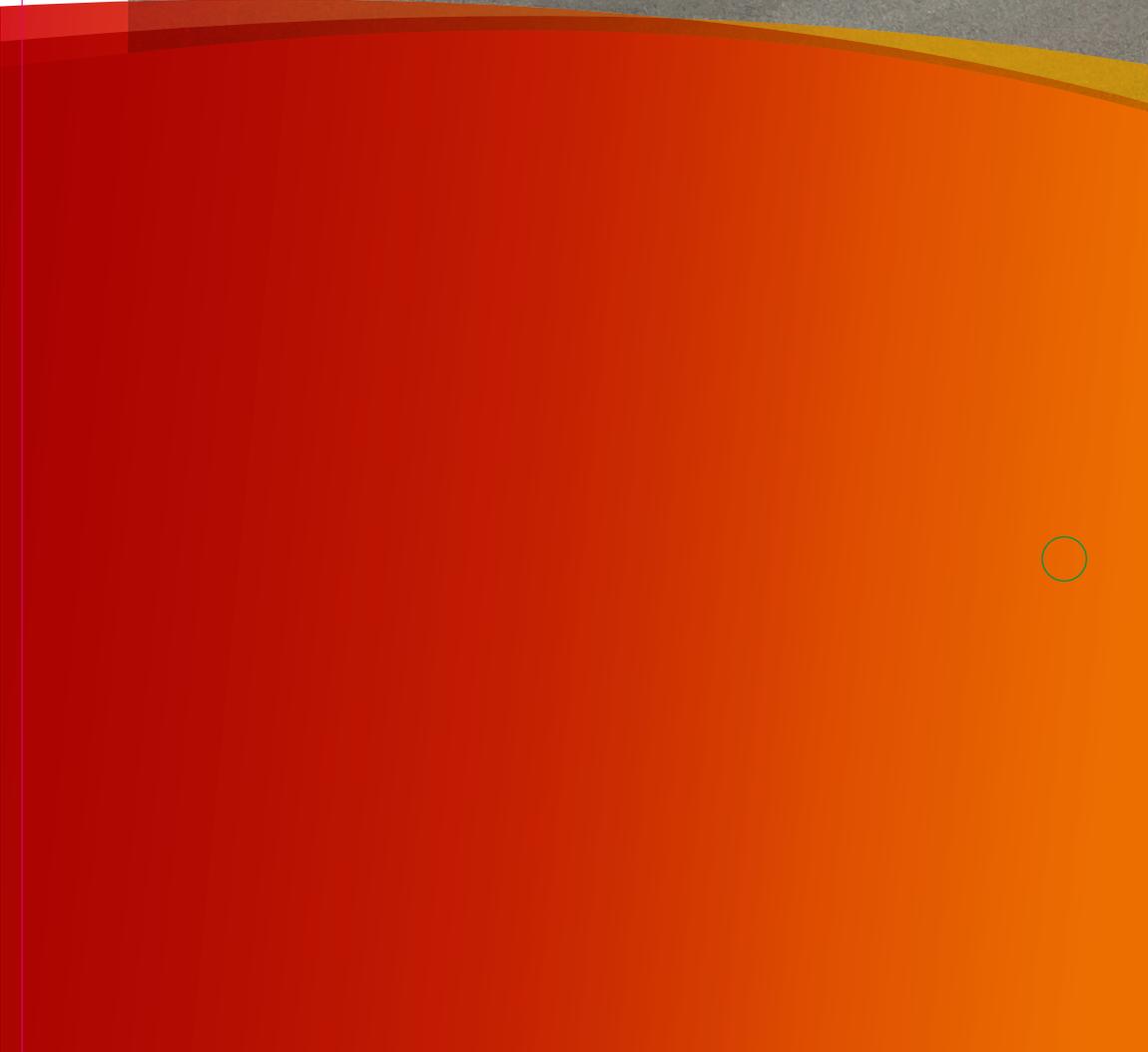
INFRARED-REJECTING CERAMIC FILM

Transform your vehicle inside and out with the LLumar® IRX Series. It features advanced, infrared-blocking nanoceramic technology so you'll feel cooler and more comfortable, even on the hottest days. LLumar IRX also delivers everything else you'd want in a premium film: head-turning style, easy connectivity, UV protection and a reduction in annoying glare.

- Our best, IR-blocking heat rejection
- Advanced technology won't interfere with electronics
- More than 99% UV protection*
- Enhanced style
- Increased privacy for passengers and belongings
- Variety of shades from light to dark
- Charcoal colour matches factory-installed privacy glass
- Scratch-resistant coating helps protect against damage
- Enhanced protection from shattered glass
- Manufacturer's lifetime limited warranty**

* Wavelengths 300-380nm

** Certain restrictions apply; see a dealer for details.



IRX SERIES

IRX 05 CH SR HPR (Charcoal)

Performance Data*

% Visible Light Transmission	5
% Total Solar Energy Rejection	62
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	59
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	85
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	94
% Visible Light Reflection (exterior)	5

* Based on data obtained during product development and is subject to change.

IRX SERIES

IRX 15 CH SR HPR (Charcoal)

Performance Data*

% Visible Light Transmission	20
% Total Solar Energy Rejection	59
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	61
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	88
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	77
% Visible Light Reflection (exterior)	5

* Based on data obtained during product development and is subject to change.

IRX SERIES

IRX 35 CH SR HPR (Charcoal)

Performance Data*

% Visible Light Transmission	38
% Total Solar Energy Rejection	54
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	60
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	87
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	56
% Visible Light Reflection (exterior)	6

* Based on data obtained during product development and is subject to change.

IRX SERIES

IRX 50 CH SR HPR (Charcoal)

Performance Data*

% Visible Light Transmission	53
% Total Solar Energy Rejection	49
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	60
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	87
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	40
% Visible Light Reflection (exterior)	7

* Based on data obtained during product development and is subject to change.



CTX SERIES

CERAMIC FILM

Create a smart, stylish comfort zone with the LLumar® CTX Series. It uses proven nanoceramic technology to help reduce heat, glare and UV rays without sacrificing signal clarity or connection speed for smart devices: phones, tablets, navigation, keyless entry, satellite radio and more.

- Excellent heat rejection
- Advanced technology won't interfere with electronics
- More than 99% UV protection*
- Enhanced style
- Increased privacy for passengers and belongings
- Variety of shades from light to dark
- Charcoal colour matches factory-installed privacy glass
- Scratch-resistant coating helps protect against damage
- Enhanced protection from shattered glass
- Manufacturer's 12 year limited warranty**

* Wavelengths 300-380nm

** Certain restrictions apply; see a dealer for details.

CTX
Series



CTX SERIES

CTX 05 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	5
% Total Solar Energy Rejection	60
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	55
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	79
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	94
% Visible Light Reflection (exterior)	5

CTX SERIES

CTX 15 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	20
% Total Solar Energy Rejection	53
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	49
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	69
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	78
% Visible Light Reflection (exterior)	5

CTX SERIES

CTX 35 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	37
% Total Solar Energy Rejection	48
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	48
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	69
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	58
% Visible Light Reflection (exterior)	6

CTX SERIES

CTX 50 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	55
% Total Solar Energy Rejection	43
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	48
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	68
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	37
% Visible Light Reflection (exterior)	7



ATR SERIES

METALLISED FILM

Choose the LLumar® ATR Series for a custom, slightly reflective look that's great at fighting heat. Hard-working LLumar ATR harnesses metal's mirror-like quality to reflect heat away, enhance interior comfort, and help protect you and your vehicle's upholstery from the sun's harmful rays.

- Great heat rejection
- More than 99% UV protection*
- Enhanced style
- Increased privacy for passengers and belongings
- Variety of shades from light to dark
- Charcoal colour matches factory-installed privacy glass
- Scratch-resistant coating helps protect against damage
- Enhanced protection from shattered glass
- Manufacturer's 10 year limited warranty**

* Wavelengths 300-380nm

** Certain restrictions apply; see a dealer for details.

ATR
Series



ATR SERIES

ATR 05 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	5
% Total Solar Energy Rejection	61
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	68
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	94
% Visible Light Reflection (exterior)	6

ATR SERIES

ATR 15 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	18
% Total Solar Energy Rejection	48
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	38
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	51
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	80
% Visible Light Reflection (exterior)	5

ATR SERIES

ATR 20 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	25
% Total Solar Energy Rejection	47
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	39
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	52
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	71
% Visible Light Reflection (exterior)	6

ATR SERIES

ATR 35 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	37
% Total Solar Energy Rejection	44
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	40
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	53
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	59
% Visible Light Reflection (exterior)	8

ATR SERIES

ATR 50 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	53
% Total Solar Energy Rejection	35
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	29
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	37
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	40
% Visible Light Reflection (exterior)	9



ATC SERIES

COLOUR-STABLE DYED FILM

Get a standout look, on-the-road privacy, and a nice upgrade in glass performance with the LLumar® ATC Series. This film is dyed all the way through for a cool charcoal hue that stays true and stands up to the test of time.

- Good heat rejection
- More than 99% UV protection*
- Enhanced style
- Increased privacy for passengers and belongings
- Variety of shades from light to dark
- Charcoal colour matches factory-installed privacy glass
- Scratch-resistant coating helps protect against damage
- Enhanced protection from shattered glass
- Manufacturer's 7 year limited warranty**

* Wavelengths 300-380nm

** Certain restrictions apply; see a dealer for details.



ATC
Series



ATC SERIES

ATC 05 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	5
% Total Solar Energy Rejection	44
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	94
% Visible Light Reflection (exterior)	5

ATC SERIES

ATC 15 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	18
% Total Solar Energy Rejection	40
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	79
% Visible Light Reflection (exterior)	5

ATC SERIES

ATC 20 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	25
% Total Solar Energy Rejection	38
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	72
% Visible Light Reflection (exterior)	6

ATC SERIES

ATC 35 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	38
% Total Solar Energy Rejection	35
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	57
% Visible Light Reflection (exterior)	6

ATC SERIES

ATC 50 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	60
% Total Solar Energy Rejection	28
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	28
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	32
% Visible Light Reflection (exterior)	7



AIR SERIES

CLEAR WINDOW FILM

Choose the powerful LLumar® AIR Series for a difference you'll feel but won't see. LLumar AIR is a virtually invisible, nanoceramic shield against heat and UV rays created to boost the performance of automotive glass. It's a popular choice for factory-installed privacy glass.

- Optically clear for high visibility
- Excellent heat rejection
- Advanced technology won't interfere with electronics
- More than 99% UV protection*
- Added performance for factory-installed privacy glass
- Scratch-resistant coating helps protect against damage
- Enhanced protection from shattered glass
- Manufacturer's 5 year limited warranty**

* Wavelengths 300-380nm

** Certain restrictions apply; see a dealer for details.



AIR
Series

AIR SERIES

AIR 75 IR SR HPR (Clear)

Performance Data

% Visible Light Transmission	77
% Total Solar Energy Rejection	35
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	44
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	62
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	12
% Visible Light Reflection (exterior)	8

AIR SERIES

AIR 80 BL SR HPR (Clear)

Performance Data

% Visible Light Transmission	77
% Total Solar Energy Rejection	43
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	60
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	86
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	13
% Visible Light Reflection (exterior)	9

AIR SERIES

AIR 90 CL SR HPR (Clear)

Performance Data

% Visible Light Transmission	84
% Total Solar Energy Rejection	30
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	40
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	57
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	5
% Visible Light Reflection (exterior)	9



UV SHIELD SERIES

ULTRAVIOLET PROTECTION WINDOW FILM

Keep your car's interior looking newer longer and help safeguard skin with the LLumar® UV Shield Series. It's one of the industry's highest-rated UV protection films, recommended by The Skin Cancer Foundation to help protect against the sun's harmful effects without changing the look of your glass.

- More than 99% UV protection*
- Excellent optical clarity
- Recommended by The Skin Cancer Foundation
- Scratch-resistant coating helps protect against damage
- Enhanced protection from shattered glass
- Manufacturer's 5 year limited warranty**



* Wavelengths 300-380nm

** Certain restrictions apply; see a dealer for details.



UV Shield
Series

UV SHIELD SERIES

AU 85 UV SR HPR (Clear)

Performance Data

% Visible Light Transmission	87
% Total Solar Energy Rejection	20
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	1
% Visible Light Reflection (exterior)	10



SAFETY & SECURITY SERIES

AUTOMOTIVE WINDOW FILM

The LLumar® Safety & Security Series provides a strong, protective barrier between you and the glass in the event of an accident or break-in. Even if the windows break, these films help hold the glass fragments in place for reduced potential of a broken-glass injury.

Choosing one of the clear **LLumar SCL** films offers virtually invisible protection, while choosing a darker shade from the selection of **LLumar SA** films will also help increase your privacy and keep valuables out of sight from potential attackers, help reject heat, reduce glare, and offer an enhanced style.

- Helps hold shattered glass together should a break occur
- 99% UV protection*
- Pressure-sensitive adhesive has a low visual distortion that provides optical clarity
- Scratch-resistant coating helps protect against damage
- Manufacturer's 5 year limited warranty**

* Wavelengths 300-380nm

** Certain restrictions apply; see a dealer for details.



Safety & Security
Series

SAFETY & SECURITY SERIES

SCL SR PS 4 (Clear)

Performance Data

% Visible Light Transmission	87
% Total Solar Energy Rejection	20
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	23
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	30
% Ultraviolet Protection (wavelengths 300-380nm)	99
% Glare Reduction	1
% Visible Light Reflection (exterior)	10

SAFETY & SECURITY SERIES

SCL SR PS 8 (Clear)

Performance Data

% Visible Light Transmission	87
% Total Solar Energy Rejection	20
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	23
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	30
% Ultraviolet Protection (wavelengths 300-380nm)	99
% Glare Reduction	1
% Visible Light Reflection (exterior)	10

SAFETY & SECURITY SERIES

SA 05 CH SR PS 4 (Charcoal)

Performance Data

% Visible Light Transmission	7
% Total Solar Energy Rejection	43
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	23
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	30
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	92
% Visible Light Reflection (exterior)	5

SAFETY & SECURITY SERIES

SA 15 CH SR PS 4 (Charcoal)

Performance Data

% Visible Light Transmission	17
% Total Solar Energy Rejection	41
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	23
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	30
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	80
% Visible Light Reflection (exterior)	5

SAFETY & SECURITY SERIES

SA 35 CH SR PS 4 (Charcoal)

Performance Data

% Visible Light Transmission	37
% Total Solar Energy Rejection	35
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	23
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	59
% Visible Light Reflection (exterior)	6

SAFETY & SECURITY SERIES

SA 15 CH SR PS 8 (Charcoal)

Performance Data

% Visible Light Transmission	18
% Total Solar Energy Rejection	41
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	23
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	31
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	79
% Visible Light Reflection (exterior)	5

SAFETY & SECURITY SERIES

SA 35 CH SR PS 8 (Charcoal)

Performance Data

% Visible Light Transmission	36
% Total Solar Energy Rejection	36
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	23
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	30
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	60
% Visible Light Reflection (exterior)	6



AT SERIES

DYED FILM

The LLumar® AT Series offers an enhanced style, increased privacy, and an upgrade in glass performance. These films are available in both charcoal and grey shades.

- Good heat rejection
- More than 99% UV protection*
- Enhanced style
- Increased privacy for passengers and belongings
- Variety of shades from light to dark
- Available in charcoal and grey colour
- Scratch-resistant coating helps protect against damage
- Enhanced protection from shattered glass
- Manufacturer's 5 year limited warranty**

* Wavelengths 300-380nm

** Certain restrictions apply; see a dealer for details.



AT
Series

AT SERIES

AT 05 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	6
% Total Solar Energy Rejection	44
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	94
% Visible Light Reflection (exterior)	5

AT SERIES

AT 15 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	18
% Total Solar Energy Rejection	40
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	79
% Visible Light Reflection (exterior)	5

AT SERIES

AT 20 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	24
% Total Solar Energy Rejection	38
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	28
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	73
% Visible Light Reflection (exterior)	6

AT SERIES

AT 35 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	36
% Total Solar Energy Rejection	35
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	59
% Visible Light Reflection (exterior)	5

AT SERIES

AT 50 CH SR HPR (Charcoal)

Performance Data

% Visible Light Transmission	51
% Total Solar Energy Rejection	31
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	42
% Visible Light Reflection (exterior)	7

AT SERIES

AT 05 GR SR HPR (Grey)

Performance Data

% Visible Light Transmission	7
% Total Solar Energy Rejection	43
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	29
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	92
% Visible Light Reflection (exterior)	5

AT SERIES

AT 15 GR SR HPR (Grey)

Performance Data

% Visible Light Transmission	14
% Total Solar Energy Rejection	41
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	28
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	84
% Visible Light Reflection (exterior)	6

AT SERIES

AT 35 GR SR HPR (Grey)

Performance Data

% Visible Light Transmission	38
% Total Solar Energy Rejection	33
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	28
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	57
% Visible Light Reflection (exterior)	6

AT SERIES

AT 50 GR SR HPR (Grey)

Performance Data

% Visible Light Transmission	55
% Total Solar Energy Rejection	29
% IR Energy Rejection (IRER) (wavelengths 780-2500nm)	22
% Selective IR Rejection (SIRR) (wavelengths 780-2500nm)	28
% Ultraviolet Protection (wavelengths 300-380nm)	>99
% Glare Reduction	37
% Visible Light Reflection (exterior)	7



PAINT PROTECTION FILM

The first scratch hurts the most. So help prevent the pain and keep your car looking newer for longer with highly durable, self-healing paint protection film. As a high-gloss, virtually invisible shield, the LLumar® line of paint protection films helps protect your car from the damages caused by everyday driving.

- Clear coat finish that self-heals when scratched and is resistant to cracks, yellowing and staining
- High-gloss, virtually invisible surface with advanced optical clarity that matches a new car's finish
- Helps shield your vehicle against rocks, road debris, winter salt and sand with year-round protection

In addition to these benefits, **LLumar Platinum PPF** uses HydroGard™ technology with excellent stain-resistance against road tar, oil and insects. This innovative hydrophobic coating prevents water and dirt from embedding into the surface of the film, helping keep cars looking cleaner, longer. For areas that are most prone to damage and need even more protection, the thicker and stronger **LLumar Platinum Extra PPF** is offered.



PAINT PROTECTION FILM

Platinum Extra



Performance Properties

Thickness without liner or cap sheet	10.6-11.6 mil
Rock Chip Resistance Water-worn road gravel, 9.5 mm to 16 mm mesh (SAE J400 Gravelometer, ASTM D3170-12)	Pass
Chemical Resistance Isopropyl Alcohol & Heptane/Hexane/MEK (ASTM D7244, ASTM D6279)	No Detrimental Effect
Weathering QUV & Xenon, up to 5000 hrs (ASTM G153 & ASTM G155)	No Detrimental Effect
Staining Transmission Fluid, Antifreeze, Windshield Washing Fluid & Used Motor Oil, Ketchup, Mustard (ASTM E313-98)	Resilient
Acid Immersion 10% Sulfuric Acid, 72 hrs	No Detrimental Effect
Base Immersion 10% Sodium Hydroxide, 72 hrs	No Detrimental Effect

* Certain restrictions apply; see a dealer for details.

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PAINT PROTECTION FILM

Platinum



Performance Properties

Thickness

without liner or cap sheet

7-8 mil

Rock Chip Resistance

Water-worn road gravel, 9.5 mm to 16 mm mesh
(SAE J400 Gravelometer, ASTM D3170-12)

Pass

Chemical Resistance

Isopropyl Alcohol & Heptane/Hexane/MEK
(ASTM D7244, ASTM D6279)

No Detrimental
Effect

Weathering

QUV & Xenon, up to 5000 hrs
(ASTM G153 & ASTM G155)

No Detrimental
Effect

Staining

Transmission Fluid, Antifreeze, Windshield Washing
Fluid & Used Motor Oil, Ketchup, Mustard
(ASTM E313-98)

Resilient

Acid Immersion

10% Sulfuric Acid, 72 hrs

No Detrimental
Effect

Base Immersion

10% Sodium Hydroxide, 72 hrs

No Detrimental
Effect

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PAINT PROTECTION FILM

Gloss



Performance Properties

Thickness

without liner or cap sheet

7-8 mil

Rock Chip Resistance

Water-worn road gravel, 9.5 mm to 16 mm mesh
(SAE J400 Gravelometer, ASTM D3170-12)

Pass

Chemical Resistance

Isopropyl Alcohol & Heptane/Hexane/MEK
(ASTM D7244, ASTM D6279)

No Detrimental
Effect

Weathering

QUV & Xenon, up to 2500 hrs
(ASTM G153 & ASTM G155)

No Detrimental
Effect

Staining

Transmission Fluid, Antifreeze, Windshield Washing
Fluid & Used Motor Oil, Ketchup, Mustard
(ASTM E313-98)

Resilient

Acid Immersion

10% Sulfuric Acid, 72 hrs

No Detrimental
Effect

Base Immersion

10% Sodium Hydroxide, 72 hrs

No Detrimental
Effect

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PAINT PROTECTION FILM

Matte



Performance Properties

Thickness

without liner or cap sheet

7-8 mil

Rock Chip Resistance

Water-worn road gravel, 9.5 mm to 16 mm mesh
(SAE J400 Gravelometer, ASTM D3170-12)

Pass

Chemical Resistance

Isopropyl Alcohol & Heptane/Hexane/MEK
(ASTM D7244, ASTM D6279)

No Detrimental
Effect

Weathering

QUV & Xenon, up to 2500 hrs
(ASTM G153 & ASTM G155)

No Detrimental
Effect

Staining

Transmission Fluid, Antifreeze, Windshield Washing
Fluid & Used Motor Oil, Ketchup, Mustard
(ASTM E313-98)

Resilient

Acid Immersion

10% Sulfuric Acid, 72 hrs

No Detrimental
Effect

Base Immersion

10% Sodium Hydroxide, 72 hrs

No Detrimental
Effect

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