



CLIMATM SOLAR WINDOW FILMS

COOLER SPACES,
CLEARER VIEWS



**AVERY DENNISON CLIMA™ FILMS
BALANCE HIGH-PERFORMANCE
HEAT REJECTION WITH
ARCHITECTURAL ELEGANCE.**

PERFORMANCE MEETS AESTHETICS

The Avery Dennison Clima™ series represents the pinnacle of solar window film technology. Clima™ series is engineered specifically for architectural applications. This advanced range offers a sophisticated solution to reduce solar heat and glare.

It also enhance the aesthetics in residential & commercial buildings. By selectively filtering solar radiation, Clima™ films create more comfortable, sustainable & secure interior environments without compromising natural light or views.

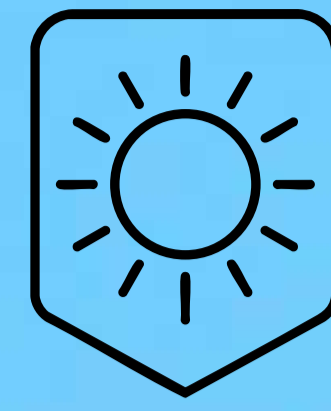
**Clima™ Architectural Solar Window films
include a range of products**

CLIMA VISTA™ SERIES

CLIMA FUSION DR™ SERIES

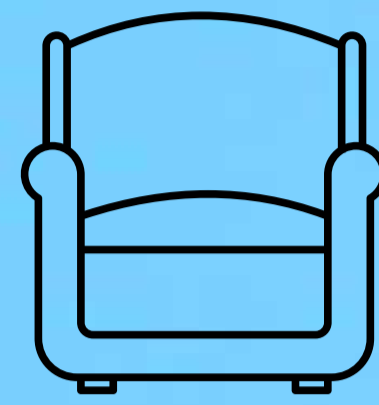
CLIMA STERLING DR™ SERIES

CLIMA CERAMIC™ SERIES



SUPERIOR SOLAR CONTROL

Significantly reduces heat buildup by rejecting a high solar energy. This stabilises the building's internal climate and reduces reliance on HVAC systems.



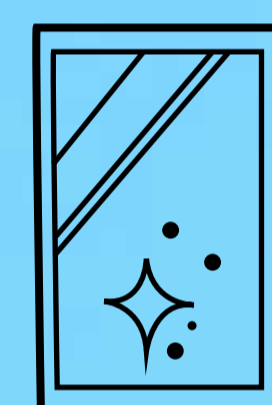
ENHANCED RESIDENT COMFORT

Creates a comfortable, glare-free environment by minimising uncomfortable hotspots. Choose from a range of finishes, from invisible neutrals to bold, reflective statements.



UV RADIATION PROTECTION

Blocks over 99% of harmful ultraviolet rays, these films extend the life of bespoke flooring, textiles, and art installations without altering the view.



AESTHETIC ENHANCEMENT

Offers a variety of finishes and tones to complement your building's design, from neutral clarity to modern reflective looks.



IMPROVED ENERGY EFFICIENCY

By reducing the load on HVAC systems, Clima™ films lower energy consumption and contribute to a building's overall efficiency rating.

CLIMA VISTA™ IS A PREMIUM SOLAR WINDOW FILM THAT PROVIDES EXCEPTIONAL SOLAR CONTROL WITHOUT COMPROMISING AESTHETICS.

THIS FILM REDUCES HEAT AND GLARE WHILE ALLOWING FOR ABUNDANT NATURAL LIGHT, CREATING A MORE COMFORTABLE AND SUSTAINABLE ENVIRONMENT.



UNINTERRUPTED NIGHTTIME VIEWS

Low interior reflectivity preserves spectacular evening views without creating a mirror effect.



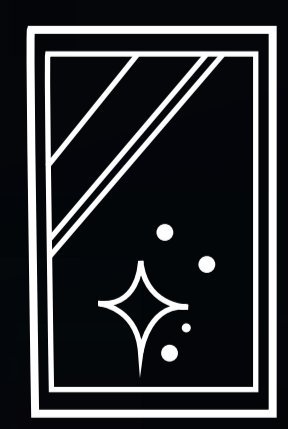
ULTIMATE UV PROTECTION

Blocks over 99% of UV radiation to protect interiors from fading and sun damage.



OPTIMIZED ENERGY EFFICIENCY

Lowers strain on HVAC systems, promoting sustainability and reducing utility costs.



REFINED AESTHETICS & COMFORT

Enhances glazing performance with a clear interior finish, while reducing heat & glare for better comfort.

CLIMA VISTA™ SERIES

6 YEARS
WARRANTY

PROPERTY	CV 1585i	CV 2580i	CV 3565i
Visible Light Transmitted %	16	24	34
Visible Light Reflected (Int) %	10	14	8
Visible Light Reflected (Ext) %	32	30	12
UV Block %	>99	>99	>99
Solar Energy Reflected %	28	28	13
Solar Energy Transmitted %	17	22	35
Solar Energy Absorbed %	55	50	52
Shading Coefficient	0.36	0.39	0.55
Total Solar Energy Rejected %	68	63	51
Solar Heat Gain Coefficient	0.32	0.34	0.49
Emissivity (Room side)	0.75	0.75	0.82
U-Value Winter	5.85	5.85	5.85
Glare Reduction %	82	76	65
Luminous Efficacy	0.46	0.57	0.62
IRR (780–2500 nm) %	83	80	64

CLIMA FUSION DR™ SERIES IS A PREMIUM DUAL-REFLECTIVE WINDOW FILM ENGINEERED TO BALANCE PRIVACY, THERMAL COMFORT, AND OPTICAL CLARITY IN COMMERCIAL AND RESIDENTIAL PROPERTIES.

ITS INTELLIGENT TWO-WAY DESIGN POWERFULLY REFLECTS SOLAR HEAT WHILE ENSURING OCCUPANTS ENJOY UNOBSTRUCTED VIEWS.



MAXIMUM DAYTIME PRIVACY

Mirrored exterior creates a one-way visual barrier.



DURABLE CONSTRUCTION

A tough, scratch-resistant coating ensures long-lasting performance.



SUPERIOR HEAT REJECTION

Reduces interior heat, lowers energy consumption, and eases strain on AC systems.



PRESERVED VIEWS

Low-reflection interior layer maintains clear outbound visibility, day or night.

CLIMA FUSION DR™ SERIES

**6 YEARS
WARRANTY**

PROPERTY	DR 0595i	DR 1590i	DR 2580i	DR 3565i
Visible Light Transmitted %	6	14	27	34
Visible Light Reflected (Int) %	44	25	17	13
Visible Light Reflected (Ext) %	74	54	31	21
UV Block %	>99	>99	>99	>99
Solar Energy Reflected %	63	48	27	20
Solar Energy Transmitted %	6	11	20	30
Solar Energy Absorbed %	31	42	53	50
Shading Coefficient	0.15	0.25	0.39	0.52
Total Solar Energy Rejected %	86	77	65	55
Solar Heat Gain Coefficient	0.14	0.24	0.41	0.45
Emissivity (Room side)	0.68	0.72	0.78	0.82
U-Value Winter	5.5	5.6	5.7	5.7
K-Value Winter	5.85	5.85	5.85	5.85
Glare Reduction %	93	84	70	63
Luminous Efficacy	0.39	0.48	0.66	0.65
IRR (780–2500 nm) %	95	90	83	65

**TRANSFORM YOUR BUILDING'S EXTERIOR
AND MASTER INTERIOR CLIMATE CONTROL
WITH THE AVERY DENNISON CLIMA
STERLING DR™ SERIES.**

**THIS PREMIUM SOLAR WINDOW FILM
DELIVERS MAXIMUM SOLAR HEAT REJECTION
THROUGH ITS HIGHLY EFFECTIVE SILVER
FINISH, ENGINEERED SPECIFICALLY FOR
ARCHITECTURAL APPLICATIONS.**



VERY HIGH HEAT REJECTION

Stops solar energy at the source, eliminating hotspots and maintaining a cool, consistent temperature.



EXCELLENT ENERGY SAVINGS

Reduces demand on air conditioning systems, lowering operational costs and improving energy efficiency.



MODERN METALLIC AESTHETIC

Upgrades your facade with a sleek, contemporary silver finish.



GLARE CONTROL & LIGHT BALANCE

Filters harsh sunlight to keep screens clear and easy to read, while maintaining bright interiors.



CLIMA STERLING DRTM SERIES

6 YEARS
WARRANTY

PROPERTY	SC 2080i Silver Colour
Visible Light Transmitted %	21
Visible Light Reflected (Int) %	54
Visible Light Reflected (Ext) %	51
UV Block %	>99
Solar Energy Reflected %	47
Solar Energy Transmitted %	17
Solar Energy Absorbed %	36
Shading Coefficient	0.30
Total Solar Energy Rejected %	73
Solar Heat Gain Coefficient	0.27
Emissivity (Room side)	0.71
U-Value Winter	5.6
Glare Reduction %	76
IRR (780–2500 nm) %	80

**THE AVERY DENNISON CLIMA CERAMIC™
SERIES IS A PREMIUM WINDOW FILM
ENGINEERED WITH ADVANCED
NON-METALLIC CERAMIC
NANO-PARTICLES FOR EXCEPTIONAL
SOLAR CONTROL WITHOUT SIGNAL
INTERFERENCE.**

**THIS STATE-OF-THE-ART FILM DELIVERS
INTELLIGENT HEAT REJECTION AND
SUPERIOR DURABILITY, MAKING IT THE
DEFINITIVE CHOICE FOR MODERN
COMMERCIAL AND RESIDENTIAL
GLAZING.**



ADVANCED CERAMIC CONSTRUCTION

Offers long-lasting stability without corrosion or fading.



SOPHISTICATED NEUTRAL AESTHETICS

Maintains optical clarity and preserve views without altering the glass's natural appearance.



ZERO SIGNAL INTERFERENCE

Ensures uninterrupted Wi-Fi, 5G, and mobile connectivity.



INTELLIGENT HEAT & UV PROTECTION

Rejects infrared heat to reduce temperatures & energy costs, while blocking 99% of harmful UV rays to prevent interiors' fading.

CLIMA CERAMIC™ SERIES

8 YEARS
WARRANTY

PROPERTY	CC 1590i	CC 3090i	CC 5075i	CC 5095i	CC 7090i	CC 8075i
Visible Light Transmitted %	15	32	57	51	70	78
Visible Light Reflected (Int) %	6	6	8	7	9	9
Visible Light Reflected (Ext) %	5	6	8	9	8	8
UV Block %	>99	>99	>99	>99	>99	>99
Solar Energy Reflected %	5	6	7	9	7	7
Solar Energy Transmitted %	11	20	38	30	37	53
Solar Energy Absorbed %	82	74	55	61	55	40
Shading Coefficient	0.41	0.45	0.61	0.55	0.59	0.73
Total Solar Energy Rejected %	63	60	46	50	48	34
Solar Heat Gain Coefficient	0.37	0.40	0.54	0.49	0.52	0.65
Emissivity (Room side)	0.87	0.86	0.86	0.86	0.86	0.85
U-Value Winter	6	6	6	6	6	6
K-Value Winter	5.86	5.86	5.86	5.86	5.86	5.85
Glare Reduction %	71	53	33	42	20	12
Luminous Efficacy	0.29	0.59	0.95	1.03	1.14	1.08
IRR (780–2500 nm) %	93	93	78	90	90	73

VERSATILE APPLICATIONS FOR MODERN ARCHITECTURE

AVERY DENNISON CLIMA™ FILMS ARE ENGINEERED FOR PERFORMANCE ACROSS A WIDE SPECTRUM OF ENVIRONMENTS WHERE GLASS IS A PRIMARY ARCHITECTURAL FEATURE.



COMMERCIAL BUILDINGS

Improve energy efficiency & tenant comfort in office buildings, corporate headquarters & retail outlets.



RESIDENTIAL PROPERTIES

Enhance comfort in homes, apartments, and residential complexes by reducing heat and protecting interiors from sun damage.



PUBLIC AND TRANSPORT HUBS

Manage heat and glare in large glazed areas like airports, train stations, and shopping malls.



HOSPITALITY & HEALTHCARE

Create a more comfortable and welcoming environment for guests and patients in hotels and hospitals.



A COMMITMENT TO SUSTAINABILITY

Integrating Avery Dennison Solar Window Films is a direct investment in sustainability. Our multi-layered films are designed to selectively filter solar radiation passing through glass, which dramatically reduces heat buildup and glare. As a result, interiors stay cooler and air conditioning systems work less.

This reduction in energy demand not only lowers operational costs but also lessens your building's carbon footprint. Each film is protected by a tough, scratch-resistant coating, ensuring long-term performance and easy maintenance, further contributing to a sustainable building lifecycle.

THE AVERY DENNISON ADVANTAGE

Choosing Avery Dennison means partnering with a global leader in materials science and manufacturing. For decades, we have been at the forefront of innovation, delivering products known for their quality, performance, and durability



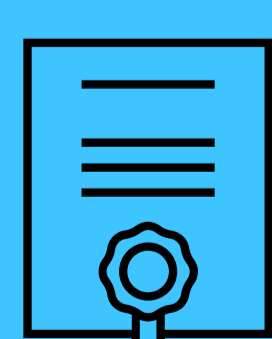
PROVEN EXPERTISE

Leverage our deep industry knowledge in adhesive and film technologies.



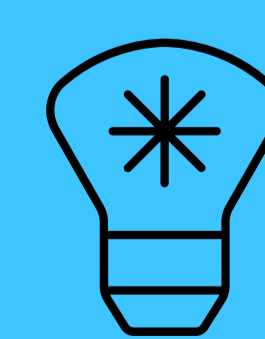
GLOBAL NETWORK

Access a worldwide network of certified installers and technical support.



TOTAL WARRANTY

Our products are backed by robust warranties for peace of mind.



INNOVATION-DRIVEN

A relentless commitment to research and development ensures advanced solutions.

THERMAL STRESS WARNING



High-performance window films increase solar energy absorption, which can significantly raise the temperature of the glass.

In certain glazing types, such as tinted, laminated, or double-paned (IGU) units, this thermal expansion may cause glass breakage if the stress exceeds the glass's edge strength.

PRE-INSTALLATION REQUIREMENT

A professional "Glass-to-Film" Compatibility Check is required prior to specification. The specifier/purchaser must ensure the selected film is safe for the specific glazing system.

Avery Dennison is not liable for glass breakage due to improper film-to-glass matching.



TECHNICAL GLOSSARY OF TERMS

VISIBLE LIGHT TRANSMITTED (VLT)

The percentage of visible light that passes through the glass. Lower percentages provide higher glare control and privacy.

TOTAL SOLAR ENERGY REJECTED (TSER)

The total percentage of incident solar energy (heat) rejected through a combination of reflection and absorption.

GLARE REDUCTION

The percentage by which visible light is reduced compared to clear glass to improve visual comfort.

IRR (INFRARED REJECTION)

The percentage of infrared radiation (780–2500nm) filtered to reduce solar heat.

U-VALUE (WINTER)

The rate of heat transfer through the window; lower values represent better insulation against heat loss.

SOLAR HEAT GAIN COEFFICIENT (SHGC)

The fraction of solar radiation admitted through a window. Lower values indicate better heat rejection.

SOLAR ENERGY ABSORBED

The amount of solar radiation heat held by the glass and film. This value is critical for assessing thermal stress risk.

UV BLOCK

The percentage of harmful Ultraviolet rays blocked (Standard: >99%) to reduce fading of interior furnishings.

LUMINOUS EFFICACY

The ratio of visible light allowed (VLT) versus heat blocked (SHGC).

FOUNDED

1935

California, USA

OPERATIONS IN

50+

Countries

NO. OF EMPLOYEES

~35,000

Worldwide

SALES IN 2025

\$8.9

Billion

HEADQUARTERS

MENTOR

Ohio, USA

Window Films are a key solution to increase energy efficiency and sustainability.

Try our custom calculator to see the estimated benefits you could receive with our window film solutions.



Contact your Avery Dennison representative or visit our website to discover how the Clima™ Solar Window Film series can transform your next project.

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