# Avery Dennison
# Clima Fusion DR™ Series

## Architectural
## Interior Solar Window FIlms

With 6 Years Warranty

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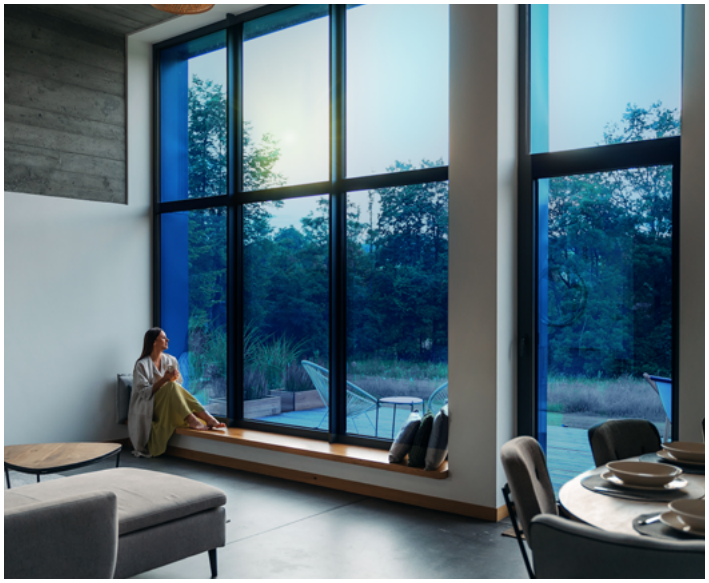

## Clima Fusion DR Series is a premium dual-reflective window film engineered to balance privacy, thermal comfort, and optical clarity.

Designed for commercial environments and luxury residential properties, this intelligent film features a highly effective two-way design. The exterior layer boasts a mirrored finish to powerfully reflect solar heat and harsh glare away from the building. Meanwhile, the interior layer remains remarkably clear and low-reflective. This advanced construction ensures that while your building benefits from a formidable shield against the sun, the occupants inside continue to enjoy unobstructed views of the outside world.

## Core benefits

### Maximum Daytime Privacy

The exterior mirrored finish creates a robust one-way visual barrier during daylight hours. This allows occupants to work, collaborate, or relax with privacy without needing to draw the blinds.

### Preserved Views

Traditional films often turn windows into internal mirrors when indoor lights are switched on. The Clima Fusion DR series utilises a specialised low-reflection interior layer to minimise this effect, ensuring you maintain crisp, clear outbound visibility, day or night.

### Superior Heat Rejection

By actively bouncing solar radiation away from the glass, this film drastically reduces interior heat build-up. It keeps rooms significantly cooler, alleviates the operational strain on air conditioning systems, and lowers overall energy consumption.

### Durable Construction

Built to withstand the rigours of commercial and residential use, the film features a tough, scratch-resistant coating. This multi-layered design ensures long-lasting performance and effortless maintenance, securing your architectural investment for years to come.

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# Clima Fusion DR™ series

| Optical and Solar Properties[1] | DR 0595i | DR 1590i | DR 2580i | DR 3565i |
|---|---|---|---|---|
| Visible Light Transmitted | 06% | 14% | 27% | 34% |
| Visible Light Reflected (Interior) | 44% | 25% | 17% | 13% |
| Visible Light Reflected (Exterior) | 74% | 54% | 31% | 21% |
| Ultra Violet Block | >99% | >99% | >99% | >99% |
| Total Solar Energy Reflected | 63% | 48% | 27% | 20% |
| Total Solar Energy Transmitted | 6% | 11% | 20% | 30% |
| Total Solar Energy Absorbed | 31% | 42% | 53% | 50% |
| Emissivity (Room Side) | 0.68 | 0.72 | 0.78 | 0.82 |
| Glare Reduction | 93% | 84% | 70% | 63% |
| IRR (780-2500nm) | 95% | 90% | 83% | 65% |
| Shading Coefficient | 0.15 | 0.25 | 0.39 | 0.52 |
| Solar Heat Gain Coeff. (G-Value) | 0.14 | 0.24 | 0.41 | 0.45 |
| U-Value Winter | 5.5 | 5.6 | 5.7 | 5.7 |
| K-Value Winter | 5.85 | 5.85 | 5.85 | 5.85 |
| Luminous Efficacy | 0.39 | 0.48 | 0.66 | 0.65 |
| Total Solar Energy Rejected (TSER) | 86% | 77% | 65% | 55% |

1 Performance results are calculated on 1/8" (6mm) glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards. Performance calculations should only be used for estimating purposes.

**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.

**Solar Heat Gain Coefficient (SHGC)**
The fraction of solar radiation admitted through a window. Lower values indicate better heat rejection.

**Total Solar Energy Rejected (TSER)**
The total percentage of incident solar energy (heat) rejected through a combination of reflection and absorption.

**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.

**U-Value (Winter)**
The rate of heat transfer through the window; lower values represent better insulation against heat loss.

**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.

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

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Elevate the performance of your glazing and create a more comfortable, private, and energy-efficient space. Contact your local Avery Dennison representative today to specify the Clima Fusion DR series for your next building upgrade.

**Find more graphics solutions at**
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