

Avery Dennison® R Silver XTRM PRO

R Silver 20 XTRM PRO

Revision: 0

Dated: 05/20/26

Uses:

The Avery Dennison R Silver 20 XTRM PRO window film for vertical glazing application delivers exceptional heat rejection to improve a building's green profile paired with up to 15 years durability. Tested under extreme lab weathering conditions and demonstrated in the field, the R Silver 20 XTRM PRO window film has proven endurance and performance, year after year.

Features

- Enhanced durability - I(including hot & humid areas)
- Supported by exceptional anti-corrosion metal alloy
- UV-durable coating.
- Vertical application - Exterior application to vertical architectural glass
- High Optical clarity with reflected/transmitted light.
- Easy to install - no XTRM certification required
- Edge Sealing with approved neutral silicone is required

Conversion

- Out of Box
- Wet Apply
- On Glass
- Cutting Table
- Cut with Film Handler
- Rolling Plotter

Common Applications

- Commercial projects
- Higher Education Facilities
- Glass with limited inside access
- Updating appearances
- K-12 Schools



Face Film: R Silver 20 XTRM PRO



Adhesive: Pressure Sensitive Permanent - Solvent based acrylic



Release Liner: Silicone Coated PET



Durability: Vertical-Up to 15 Years
Horizontal /Sloped 5 Years



Shelf Life:
When stored in original packaging upon arrival at the customer: 2 years. Recommended Storage conditions are 68 °F/C20 °C (± 2 °) with 50% RH (± 5%).

Application Surfaces: Flat Glass - EXTERIOR

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Physical Characteristics

Optical and Solar Properties

| | R Silver 20 XTRM PRO | |
|--|----------------------|--------|
| Pane | Single | Double |
| Visible Light Transmitted (%) | 15% | 14% |
| Visible Light Reflected (Interior) (%) | 63% | 65% |
| Visible Light Reflected (Exterior) (%) | 63% | 65% |
| UV Block (%) | 99.9% | 99.9% |
| Total Solar Energy Reflected (%) | 64% | 66% |
| Total Solar Energy Transmitted (%) | 11% | 10% |
| Total Solar Energy Absorbed (%) | 25% | 24% |
| Emissivity (Room Side) | 0.84 | 0.84 |
| Glare Reduction | 84% | 83% |
| SIRR | 91% | - |
| IRER | 84% | - |
| Shading Coefficient | 0.20 | 0.16 |
| Solar Heat Gain Coeff. (G-Value) | 0.17 | 0.14 |
| U-Value Winter (IP) | 1.04 | 0.48 |
| U-Value Winter (SI) | 5.91 | 2.73 |
| Luminous Efficacy | 0.75 | 0.88 |
| Total Solar Energy Rejected (%) | 83% | 86% |

** Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software and they are subject to variations in process conditions within industry standards and are only intended for estimating purposes.

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Related Documents:

Avery Dennison literature will provide necessary information to the user for proper application, storage, and other requirements and is available upon request from your Avery Dennison representative or from the Avery Dennison website(www.graphics.averydennison.com).

- Review “Avery Dennison® Technical Bulletin XTRM PRO Film Series Installation Guide” IB7.10 (Installation Guidelines)
 - Requires a neutral silicone edge sealant
 - Dow Corning 995 or 885, GE Max 5000 are approved
- Special Considerations: Because of the unique properties and varieties of glass, special considerations must be considered for windows and graphic applications. Avery Dennison accepts no liability for glass breakage.
- The glass absorbs heat when exposed to sunlight. The degree of absorption across windows can vary because of shading, heating, and cooling ventilation, and insulation from window frames. These temperature differences across the window produce stress, which can cause glass breakage. The ability of glass to resist breakage because of temperature stress is affected by window size, glass thickness, glass treatments, quality, and design.
- Window cleaning methods also vary, from the type of cleaners used to the washing methods employed. Specific chemicals used in window cleaners may affect the adhesion of pressure-sensitive graphics. Power washing methods may impact the adhesion of graphics if the water pressure or temperature exceeds the graphics' adhesion capability.

Durability: R Silver 20 XTRM PRO

| Warranted Durability | R Silver 20 XTRM Pro |
|----------------------|----------------------|
| Vertical | Up to 15 Years |
| Horizontal/Sloped | 5 Years |

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