



3M™ SUN CONTROL WINDOW FILM

Prestige Exterior Series — Spec Sheet & Warranty

3M Prestige Exterior Series applies the same non-metallized, nanotechnology construction to the outside face of the glass — built for retrofits, historic structures, and high-rise projects where interior access isn't practical. Guardian Bastille installs the Prestige Exterior lineup for exterior architectural glazing.

- Rejects up to 97% of infrared heat with no metal content — no corrosion risk, no signal interference.
- Low interior and exterior reflectivity keeps views clear from both sides of the glass.

Performance Specifications (per 3M Technical Data Sheet)

Specification	PR20 EXT	PR40 EXT	PR70 EXT	PR90 EXT
Visible Light Transmission	21%	42%	71%	88%
Vis. Light Reflection (Ext. / Int.)	5% / 5%	6% / 5%	7% / 7%	9% / 9%
UV Rejection	99.9%	99.9%	99.9%	99.9%
Light to Solar Gain Ratio	0.6	1.1	1.5	1.4
Shading Coefficient (90°)	0.60	0.44	0.55	0.74
Total Solar Energy Rejected (90°)	66%	61%	52%	36%
Total Solar Energy Rejected (60°)	72%	67%	61%	49%
U-Value	1.02	1.02	1.02	1.02
Thickness	>2.0 mil (0.002")	>2.0 mil (0.002")	>2.0 mil (0.002")	>2.0 mil (0.002")

Source: 3M™ Window Film Technical Data Sheet, Specifications for 3M™ Prestige Exterior Series, Revision A, April 2019. Values are measured on 1/4" clear glass unless noted; actual field performance varies by glass type and installation.

Film Construction & Requirements (per 3M Technical Data Sheet)

- **Film Material** — Optically clear polyester film with at least 220 layers, an acrylic pressure-sensitive adhesive on one side, and an acrylic abrasion-resistant coating on the other. The film contains no metals.
- **Emissivity** — 0.78 nominal on the non-adhesive face, measured with a Devices & Services Emissometer Model AE at or near room temperature.
- **U-Value** — 1.0 nominal when applied to 1/4" (6mm) clear glass, per the emissivity test procedure above.
- **UV Rejection** — Blocks a minimum of 99.9% of solar ultraviolet radiation across the 3,000–3,800 angstrom range.
- **Adhesive System** — Optically clear, pressure-sensitive, weatherable acrylic adhesive rated for exterior exposure.



Commercial Warranty Coverage

Coverage	Term	Notes
Film Performance – Vertical Glazing	5 years	Solar reflective properties maintained; no cracking, crazing, delaminating, bubbling, peeling, or discoloration
Film Performance – Non-Vertical Glazing	3 years	Same coverage terms as above; shorter term applies to skylights and sloped glazing
Removal & Reapplication Labor	1 year	Free labor to remove and reapply film if found defective under warranty

Requires professional installation by an authorized 3M window film dealer. Vertical glazing (typical facade/storefront) receives the 5-year term; non-vertical glazing (e.g., skylights, sloped glass) receives the 3-year term.

→ [View 3M's official Technical Data Sheet: 3M Prestige Exterior Series TDS](#)

→ [View 3M's official Commercial Warranty Bulletin](#)

Performance values above are transcribed from 3M's published Technical Data Sheet for this product and are provided for specification and bidding reference. Values are measured on 1/4" clear glass unless noted; actual field performance varies by glass type and installation. Consult the linked 3M documents for complete, current technical and warranty terms.

This guide is provided by Guardian Bastille, LLC for reference during specification and bidding. It does not modify or supersede 3M's published technical or warranty terms. Guardian Bastille is a 3M Prestige Dealer; this document does not represent 3M certification of any project.