Low Reflection Ultimate Protection







Benefits

- Combines the benefits of 3M™ Ultra Series with the benefits of 3M™ Night Vision™ Series Window Film
- Micro-layered, tear-resistant film for enhanced protection of people, property and possessions
- Helps to increase security and provide added protection against smash and grab burglaries
- · Enhanced views with low interior reflectivity, especially at night
- · Helps reduce glare and eye discomfort
- Great heat rejection helps provide energy savings and improved comfort
- Can be combined with 3M[™] Impact Protection attachment systems for additional safety and security
- Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading
- · Comprehensive warranty from 3M

3M products are tested to multiple industry standards. Results are available upon request in order to assist you in both product selection and help you meet local building requirements and/or standards.

Break and Entry ★★★ Energy Savings ★★★
Safety Glazing ★★★ Heat Rejection ★★★
Seismic ★★★ Glare Reduction ★★★
Blast Mitigation ★★★

In comparison to other 3M™ Safety & Security Window Films

Best ★★★ Better ★★★ Good ★★ Fair >

Valued Associations & Alliances







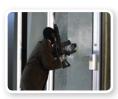












Break and Entry

- Provides precious time by helping to deter unwanted individuals from entering your building or home
- Protect occupants and assets

Completed Testing — Ultra S600

- EN 356
- Forced Entry Demonstration at third-party test facility



Safety Glazing and Human Impact

- · Upgrade your glass to meet safety glazing codes
- · Help protect your occupants from broken glass hazards

Completed Testing

- ANSI Z97.1
- 16 CFR CPSC 1201



Bomb Blast and Explosion Protection

• Help protect people from flying glass shards, one of the most common causes of blast related injuries and fatalities

Completed Testing

- ASTM F1642
- GSA TS01-2003

Product Performance & Technical Data

	Visible Light			Total	Solar					Visible Light	
Glass Type (All 1/4")	Film Type	Reflected (Interior)	Reflected (Exterior)	Transmitted	Solar Energy Rejected	Heat Gain Coefficient	U Value	Solar Heat Reduction	UV Light Rejected	Glare Reduction	to Solar Heat Gain Ratio
Clear	Ultra NV S25	7%	19%	24%	60%	0.40	1.02	51%	99.9%	73%	0.6
Tinted	Ultra NV S25	7%	10%	15%	62%	0.38	1.02	40%	99.9%	73%	0.4
Double Clear	Ultra NV S25	8%	24%	22%	50%	0.50	0.47	28%	99.9%	73%	0.4
Double Tinted	Ultra NV S25	8%	11%	13%	62%	0.38	0.47	24%	99.9%	73%	0.3

Film Properties — Nominal

Note: The following technical information and data is based upon limited 3M testing conditions and should not be used for specification purposes.

Film Type	Film Thickness	Construction	Tear Resistance	Tensile Strength	Break Strength	Elongation at Break	Peel Strength	Abrasion Resistance
Ultra Night Vision	8 mil (0.22mm)	Micro-layered	1,100 lbs%	27,000 psi (186 MPa)	215 lbs/in (956 N/25mm)	90%	> 4 lbs/in (18 N / 25mm)	3% ∆ Haze

Warranty, Limited Remedy and Disclaimer: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. User is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product.

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IMPORTANT NOTICE: This product is not approved in the State of Florida for use as hurricane, windstorm, or impact protection from wind-borne debris from a hurricane or windstorm. In compliance with Florida Statute 553.842, this product may not be advertised, sold, offered, provided, distributed, or marketed in the State of Florida as hurricane, windstorm, or impact protection from wind-borne debris from a hurricane or windstorm.



3M Renewable Energy Division Window Films

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