

3M™ Scotchshield™ Safety & Security Window Film Ultra Series Product Family



Ultra Series



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



Windstorm and Debris Protection

- Help reduce damage by water or debris, even if the window is broken
- Help protect occupants, assets and maintain continuity of operations

Completed Testing

- ASTM E 1886/1996
- ASTM E330



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



Break and Entry

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

Completed Testing

- Forced entry demonstration at 3rd party test facility



Seismic and Spontaneous Glass Breakage

- Help keep glass fragments from falling from your windows, protecting people and potentially reducing injuries on your property

Completed Testing

- ANSI Z97.1
- 16 CFR CPSC 1201

Film Properties (nominal) — not for specification purposes

Film Type	Film Thickness	Construction	Tear Resistance	Tensile Strength	Break Strength	Elongation at Break	Peel Strength	Abrasion Resistance
Ultra S600	6 mil (0.15mm)	Micro-layered	1,000 lbs%	28,000 psi (172 MPa)	168 lbs/in (747 N / 25mm)	140%	> 8 lbs/in (36 N / 25mm)	<5%
Ultra S800	8 mil (0.20mm)	Micro-layered	1,200 lbs%	28,000 psi (172 MPa)	224 lbs/in (996 N / 25mm)	130%	> 8 lbs/in (36 N / 25mm)	<5%

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. **3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE.** If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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.



Carolina Solar Control & Security
www.Carolina-Solar.com
(866) 368-3M3M

Ultimate Protection for People and Property