

Increase protection of people, property, and possessions with 3M™ Scotchshield™ Safety & Security Window Film Ultra Series.

- ▶ Co-extruded micro-layered film composite with high grades tear resistance and high energy absorption for enhanced protection of people, property and possessions
- ▶ Mitigates hazards from shattered glass due to hurricanes and other similar windstorms
- ▶ Meets and exceeds many industry performance standards for glass fragment retention
- ▶ Helps protect people from the risk of flying glass shards, one of the most common causes of blast related injuries and fatalities
- ▶ 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

	Ultra 600	Ultra 800
Blast Mitigation	★★★★★	★★★★★
Break and Entry	★★★★	★★★★★
Safety Glazing	★★★★★	★★★★★
Seismic	★★★★★	★★★★★

Best ★★★★★

Better ★★★★

Good ★★★

Fair ★★

Not Recommended ★

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

Superior protection and clarity.





Bomb Blast and Explosion Protection

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

Completed Testing

- ▶ ASTM F1642
- ▶ GSA TS01-2003
- ▶ ISO 16933



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
- ▶ EN 12600

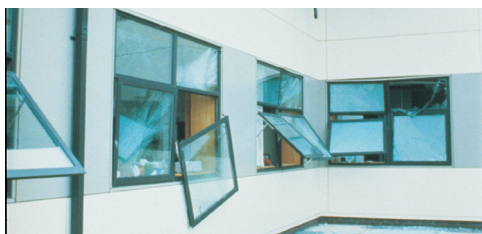


Break and Entry

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

Completed Testing

- ▶ Independent lab evaluations, contact 3M for details



Seismic and Spontaneous Glass Breakage

- ▶ Help keep glass fragments from falling from your windows, helping to protect people and potentially reducing damage to your property

Completed Testing

- ▶ ASTM E 1886
- ▶ JIS A5759

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 600	6 mil (0.15mm)	Micro-layered	1,000 lbs%	32,000 psi (220 MPa)	210 lbs/in (934 N / 25mm)	115%	> 8 lbs/in (36 N / 25mm)	<3%
Ultra 800	8 mil (0.20mm)	Micro-layered	1,200 lbs%	32,000 psi (220 MPa)	255 lbs/in (1,134 N / 25mm)	130%	> 6 lbs/in (27 N / 25mm)	<3%

3M products are tested to multiple industry standards. Glazing systems vary. Contact 3M for more information.

*Building codes vary, please consult with 3M and your local code official.

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.

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