



Keep outside dangers securely outside with 3M™ Scotchshield™ Safety & Security Window Film Ultra Series.

- ▶ Micro-layered, tear-resistant film for enhanced protection of people, property and possessions
- ▶ Mitigates hazards from shattered glass due to natural disasters
- ▶ Helps protect people from flying glass shards, one of the most common causes of blast related injuries and fatalities
- ▶ Increases security and helps provide added protection against smash and grab burglaries
- ▶ 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.



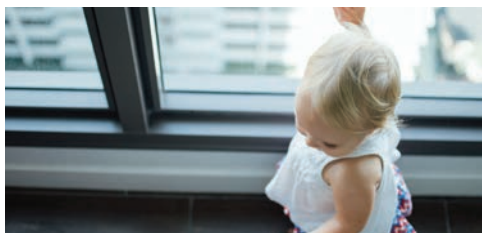


Bomb Blast and Explosion Protection

- ▶ Help protect people from 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 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 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.



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