



## Excellent tear-resistant protection and superior solar control with 3M™ Scotchshield™ Safety & Security Window Film Ultra Prestige Series.

- ▶ Combines the benefits of 3M™ Ultra Series with the benefits of 3M™ Prestige Series Window Film
- ▶ Tear resistant glass fragment retention film for increased protection of people, property and possessions
- ▶ Can be combined with 3M™ Impact Protection Attachment System for additional safety and security
- ▶ High visual light transmission providing excellent aesthetics
- ▶ Up to 97% infrared rejection providing energy savings and enhanced comfort\*
- ▶ Low interior and exterior reflectivity enhances views while maintaining exterior appearance
- ▶ Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading
- ▶ Comprehensive warranty from 3M

Break and Entry	★★★★★
Safety Glazing	★★★★★
Seismic	★★★★★
Blast Mitigation	★★★★★
Visible Light Transmission	★★★★★
Low Reflection	★★★★★
Infrared Rejection	★★★★★

Best ★★★★★

Better ★★★★☆

Good ★★★☆☆

Fair ★★☆☆☆

Not Recommended ★☆☆☆☆

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

\*IR Rejection as measured from 900–1000nm

## Ultimate protection and clarity.





### 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 — Ultra S600

- ▶ EN 356
- ▶ Independently evaluated, contact 3M for details



### 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
- ▶ EN 12600
- ▶ 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 and Technical Data

Glass Type (All 1/4")	Film Type	Visible Light			Total Solar Energy Rejected	Solar Heat Gain Coefficient (G Value)	U Value		Solar Heat Reduction	UV Light Rejected	Glare Reduction	Visible Light to Solar Heat Gain Ratio
		Reflected (Interior)	Reflected (Exterior)	Transmitted			btu/hft²F	w/m²K				
Clear	Ultra PR S70	9%	10%	68%	50%	0.51	1.02	5.8	38%	99.9%	23%	1.4
	Ultra PR S50	7%	9%	48%	56%	0.44	1.02	5.8	46%	99.9%	46%	1.1
Tinted	Ultra PR S70	8%	6%	41%	56%	0.44	1.02	5.8	30%	99.9%	23%	0.9
	Ultra PR S50	7%	6%	29%	60%	0.40	1.02	5.8	37%	99.9%	45%	0.7
Double Clear	Ultra PR S70	13%	16%	61%	44%	0.56	0.47	2.7	20%	99.9%	23%	1.1
	Ultra PR S50	9%	15%	43%	47%	0.53	0.47	2.7	25%	99.9%	46%	0.8
Double Tinted	Ultra PR S70	12%	9%	37%	58%	0.42	0.47	2.7	17%	99.9%	23%	0.9
	Ultra PR S50	9%	9%	26%	60%	0.40	0.47	2.7	21%	99.9%	46%	0.6

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.

## Film Properties (nominal)

Note: The following technical information and data are 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 Prestige	8 mil (0.22 mm)	Micro-layered	1,100 lbs%	27,000 psi (186 MPa)	215 lbs/in (956 N/25mm)	120%	> 4 lbs/in (18 N/25mm)	<3% Δ Haze



info@ecoglasshk.com  
 +852 5542 3224  
 www.ecoglasshk.com



3M Commercial Solutions Division  
 3M Center, Building 220-12E-04  
 St. Paul, MN 55144-1000  
 3M.com/windowfilm

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