Get ultimate tear-resistant protection with enhanced views at night with 3M™ Scotchshield™ Safety & Security Window Film Ultra Series.

- Combines the safety and security benefits of 3M™ Scotchshield™ Safety & Security Window Film with the sun control benefits of 3M™ Sun Control Night Vision™ Series
- Micro-layered film designed for tear-resistance and enhanced protection of people, property and possessions
- Helps to increase security and provide added protection against smash-and-grab burglaries
- Great heat rejection helps generate energy savings and improved comfort
- Enhanced views with low interior reflectivity, especially at night
- Helps reduce glare and eye discomfort
- 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

Ultimate protection and enhanced views.
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 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

<table>
<thead>
<tr>
<th>Glass Type (All 1/4&quot;)</th>
<th>Film Type</th>
<th>Visible Light</th>
<th>Solar Energy</th>
<th>Total Heat Gain Coefficient (G Value)</th>
<th>Solar Heat Reduction</th>
<th>UV Light</th>
<th>Glare Reduction</th>
<th>Visible Light to Solar Heat Gain Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Reflected (Interior)</td>
<td>Reflected (Exterior)</td>
<td>Transmitted</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Clear</td>
<td>7%</td>
<td>19%</td>
<td>24%</td>
<td>60%</td>
<td>0.40</td>
<td>1.02</td>
<td>5.8</td>
<td>99.9% 73% 0.6</td>
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<tr>
<td>Tinted</td>
<td>7%</td>
<td>10%</td>
<td>15%</td>
<td>62%</td>
<td>0.38</td>
<td>1.02</td>
<td>5.8</td>
<td>99.9% 73% 0.4</td>
</tr>
<tr>
<td>Double Clear</td>
<td>8%</td>
<td>24%</td>
<td>22%</td>
<td>50%</td>
<td>0.50</td>
<td>0.47</td>
<td>2.7</td>
<td>99.9% 73% 0.4</td>
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<tr>
<td>Double Tinted</td>
<td>8%</td>
<td>11%</td>
<td>13%</td>
<td>62%</td>
<td>0.38</td>
<td>0.47</td>
<td>2.7</td>
<td>99.9% 73% 0.3</td>
</tr>
</tbody>
</table>

Film Properties — Nominal

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

<table>
<thead>
<tr>
<th>Film Type</th>
<th>Film Thickness</th>
<th>Construction</th>
<th>Tear Resistance</th>
<th>Tensile Strength</th>
<th>Break Strength</th>
<th>Elongation at Break</th>
<th>Peel Strength</th>
<th>Abrasion Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra Night Vision S25</td>
<td>8 mil (0.22mm)</td>
<td>Micro-layered</td>
<td>1,100 lbs%</td>
<td>27,000 psi (186 MPa)</td>
<td>215 lbs/in (956 N/25mm)</td>
<td>95%</td>
<td>&gt;4 lbs/in (18 N/25mm)</td>
<td>3% ∆ Haze</td>
</tr>
</tbody>
</table>

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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