Long-lasting protection you and your tenants can count on — 3M™ Safety & Security Window Film.

- Designed for both exterior and interior applications
- Exterior durability gives you an extended warranty from the most trusted global brand in window films
- Glass fragment retention film helps hold shattered glass together to protect people, property and possessions from:
  - Spontaneous glass breakage
  - Seismic events
  - Low-force glass impacts
- Can be combined with 3M™ Impact Protection Adhesive Attachment Systems for additional safety and security
- Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading

<table>
<thead>
<tr>
<th></th>
<th>S20X</th>
<th>S40X</th>
<th>S70X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior Use</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Spontaneous Glass Breakage</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Seismic</td>
<td>★★★</td>
<td>★★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Safety Glazing</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Anti-Graffiti</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
</tbody>
</table>

In comparison to other 3M™ Safety Window Films.

Superior protection inside and out.
Exterior Safety and Security Window Film

- 3M’s extensive weathering knowledge and technical innovations enable durable exterior safety films

Seismic and Spontaneous Glass Breakage

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

Safety Glazing and Human Impact

- Upgrade your glass to meet safety glazing codes
- Help protect occupants from broken glass hazards

Anti-Graffiti

- Protect your glass and your image from vandalism caused by scratching, gouging, tagging or acid etching
- Less costly and less disruptive than replacing new windows

Completed Testing

- ANSI Z97.1
- 16 CFR CPSC 1201
- EN 12600
- JIS A5759

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Completed Testing

- ASTM G151
- ASTM D4830 (puncture strength)
- ASTM D1044 (abrasion resistance)
- ASTM D3330 (peel strength)

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>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>Safety S40X</td>
<td>4 mil (0.1mm)</td>
<td>Single ply</td>
<td>25,000 psi (172 MPa)</td>
<td>100 lbs/in (445 N/25mm)</td>
<td>&gt;115%</td>
<td>&gt;5 lbs/in (22 N/25mm)</td>
<td>5%</td>
</tr>
<tr>
<td>Safety S70X</td>
<td>7 mil (0.18mm)</td>
<td>Single ply</td>
<td>25,000 psi (172 MPa)</td>
<td>178 lbs/in (792 N/25mm)</td>
<td>&gt;150%</td>
<td>&gt;5 lbs/in (22 N/25mm)</td>
<td>5%</td>
</tr>
</tbody>
</table>

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

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