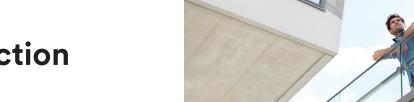


# Long-lasting protection you and your tenants can count on — 3M<sup>™</sup> Safety & Security Window Film.

- ▶ 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<sup>™</sup> 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

	S20X	\$40X	S70X	
Exterior Use	****	****	****	
Spontaneous Glass Breakage	****	****	****	
Seismic	****	****	****	
Safety Glazing	**	**	***	
Anti-Graffiti	*	***	***	

Best ★★★★
Better ★★★
Good ★★
Fair ★★
Not Recommended ★
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

### **Common Applications**

- ► Tempered glass
- ► Curtain walls
- Balcony glass
- Glass railing systems, guards and balustrades
- ▶ Skylights
- ► Safety glazing



## Seismic and Spontaneous Glass Breakage

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

### **Completed Testing**

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



## 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
- ▶ 16 CFR CPSC 1201
- ► EN 12600
- ▶ JIS A5759



### **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**

- ► 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.

Film Type	Film Thickness	Construction	Tensile Strength	Break Strength	Elongation at Break	Peel Strength	Abrasion Resistance
Safety S40X	4 mil (0.1mm)	Single ply	25,000 psi (172 MPa)	100 lbs/in (445 N/25mm)	>115%	>5 lbs/in (22 N/25mm)	5%
Safety S70X	7 mil (0.18mm)	Single ply	25,000 psi (172 MPa)	178 lbs/in (792 N/25mm)	>150%	>5 lbs/in (22 N/25mm)	5%

<sup>\*</sup>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 state 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.