





Product Features and Benefits

- Optically clear, 8-mil (0.20 mm) thick film for application to interior glass surface
- Provides shatter resistance to help protect from broken glass hazards
- Typical applications include bomb blast mitigation and safety glazing
- Protective hardcoat provides scratch resistance and durability
- Helps protect from the harmful effects of UV light and reduces fading of interior furnishings
- Can be combined with 3M Impact Protection Attachment systems for additional safety and security

Product Performance & Technical Data

Safety S80								
	Single Pane		Tinted		Double Pane		Double tinted	
Film	1/4" Clear	Safety S80	1/4" tint	Safety S80	Dual 1/4" Clear	Safety S80	Dual 1/4" tint	Safety S80
Solar Heat Gain Coefficient	0.82	0.79	0.63	0.62	0.70	0.68	0.51	0.50
Visible Light Transmitted	89%	87%	53%	52%	79%	77%	47%	46%
Visible Light Reflected Interior	9%	9%	6%	7%	15%	16%	13%	14%
Visible Light Reflected Exterior	8%	9%	6%	6%	15%	16%	8%	9%
U Value	1.03	1.03	1.03	1.02	0.47	0.47	0.47	0.48
UV Block	38%	99%	NA	99%	NA	99%	NA	99%
Total Solar Energy Rejected	19%	21%	37%	38%	30%	32%	49%	50%
Glare Reduction	NA	2%	NA	1%	NA	3%	NA	2%
Heat Loss Reduction	NA	0%	NA	0%	NA	0%	NA	0%
Solar Heat Reduction	NA	3%	NA	2%	NA	3%	NA	1%

Film Properties (nominal)

Product	Film Thickness	Single or Multi-ply	Tensile Strength	Break Strength	Elongation at Break	Abrasion Resistance
Safety S80	0.008"	Multi (2)	25,000 psi	200 lbs/in	>125 %	< 5% haze increase

IMPORTANT NOTICE:

This product is **not approved** in the State of Florida for use as hurricane, windstorm, or impact protection from wind-borne debris from a hurricane or windstorm. In compliance with Florida Statute 553.842, this product may not be advertised, sold, offered, provided, distributed, or marketed in the State of Florida as hurricane, windstorm, or impact protection from wind-borne debris from a hurricane or windstorm.

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Commercial Solutions Division

3M Center, Building 220-12E-04 St. Paul, MN 55144
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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. Given the variety of factors that can affect the use and performance of a 3M product, 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.

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3M warrants that each 3M product will be free from defects in material and manufacture for the length of the product warranty. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

No Extension of Warranty

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