



Authorized Dealer Installer

Window Film Products

PRESTIGE DEALER NETWORK

3M™ SCOTCHSHIELD™ SAFETY & SECURITY WINDOW FILM

Security Series — Spec Sheet & Warranty

3M Safety Series window film (S80, S140) is a clear safety and security film that helps hold glass together on impact — an economical step below Ultra-tier retention for storefronts, schools, and government buildings. Guardian Bastille installs Safety Series film with edge and frame attachment matched to the threat level.

- Meets ANSI Z97.1 Class A (Unlimited Size) safety glazing rating at 400 ft-lb impact.
- Available in 8-mil (S80) and 14-mil (S140) thicknesses for different retention needs.
- 3M security window film is designed to help hold glazing together on impact — it is not bulletproof and is not designed to stop intruders or prevent all property damage or injury.

Performance Specifications (per 3M Technical Data Sheet)

Specification	S80	S140
Visible Light Transmission	87%	85%
UV Transmission	<1% (300–380nm)	<1% (300–380nm)
Nominal Thickness	8 mils (0.008")	14 mils (0.014")
Tensile Strength	25,000 psi	25,000 psi
Break Strength	200 lb/in	350 lb/in
Elongation at Break	108%	>125%
Safety Glazing Rating	ANSI Z97.1 Class A, Unlimited (400 ft-lb)	ANSI Z97.1 Class A, Unlimited (400 ft-lb)

Source: 3M Safety & Security Window Film Safety S80 (SH8CLARL) and Safety S140 (SH14CLARL) Technical Data Sheets. Tested per ASTM E903 (optical) and ASTM D882 (tensile/break strength).



Commercial Warranty Coverage

Coverage	Term	Notes
Glass Breakage	5 years*	Up to \$2,000/window, direct result of film application
Seal Failure	3 years	Insulated glass unit seal failure
Film Performance	10–12 years	Varies by installation and attachment system

*Requires professional installation by an authorized 3M window film dealer and warranty registration.

→ [View 3M's official Technical Data Sheet: 3M Safety S80 \(SH8CLARL\) TDS](#)

→ [View 3M's official Technical Data Sheet: 3M Safety S140 \(SH14CLARL\) TDS](#)

→ [View 3M's official Commercial Warranty Bulletin](#)

Performance values above are transcribed from 3M's published Technical Data Sheet for this product and are provided for specification and bidding reference. Values are measured on 1/4" clear glass unless noted; actual field performance varies by glass type and installation. Consult the linked 3M documents for complete, current technical and warranty terms.

This guide is provided by Guardian Bastille, LLC for reference during specification and bidding. It does not modify or supersede 3M's published technical or warranty terms. Guardian Bastille is a 3M Prestige Dealer; this document does not represent 3M certification of any project.