



*Vision, Comfort, Protection.*

American Standard Window Film offers the technology of the future, for today's energy-conscious consumer.



**CrystalGuard**  
Protecting our Future

**Enhanced Safety**

ASWF films mitigate damage due to failed glass in the event of breakage from accidents, natural disaster or terrorism. Retrofit of fragment retention films is a requirement for government organizations such as the General Services Administration (GSA). The GSA is the single largest tenant of commercial space in the United States.



Made in USA

The Crystal Guard safety series provides protection from UV rays. It can also help prevent glass from breaking on impact, holding shattered glass together when breakage occurs. The ideal way to prevent flying shards due to earthquakes, blasts, or hostile intrusions. Crystal Guard upgrades windows and doors to be the first line of defense during and after projectile impact. Crystal Guard aims to be a deterrent preventing or delaying attackers from breaching school premises, buying precious minutes to execute emergency plans and extend law enforcement response time.

**Crystal Guard™ 8 Mil**

% Total Solar	
Reflectance (RSOL Exterior)	9%
Absorbance	13%
Transmission (TSOL)	78%
% Visible light	
Transmittance (VLT)	87%
VLR Interior	8%
VLR Exterior	8%
% Glare Reduction	1%
Shading Coefficient (SC)	93%
Solar heat gain Coefficient (SHGC)	82%
Total Solar Energy Rejected (TSER)	18%

**Safety Series**

**Product Physical Properties**

Tensile Strength	32,000 PSI
	Avg. MD/TD
Break Strength	220 lb/in (PLI)
Puncture Strength	>125 lb
Elongation	>150%
Peel Strength	>5 lb/in (PLI)

**Architectural**

**Important:** All tested materials were applied on a ¼" clear glass surface in accordance with industry standard tests. The intended purpose of the data provided is for comparison purposes only.

Also available in exterior.  
Includes ANSI Z97 Certification – We have qualified our 12 mil safety film for ANSI Z97.1 and CPSC 16 CFR 1201 - This testing simulates human impact loads on glazed areas, including glass mirrors, in hazardous locations.