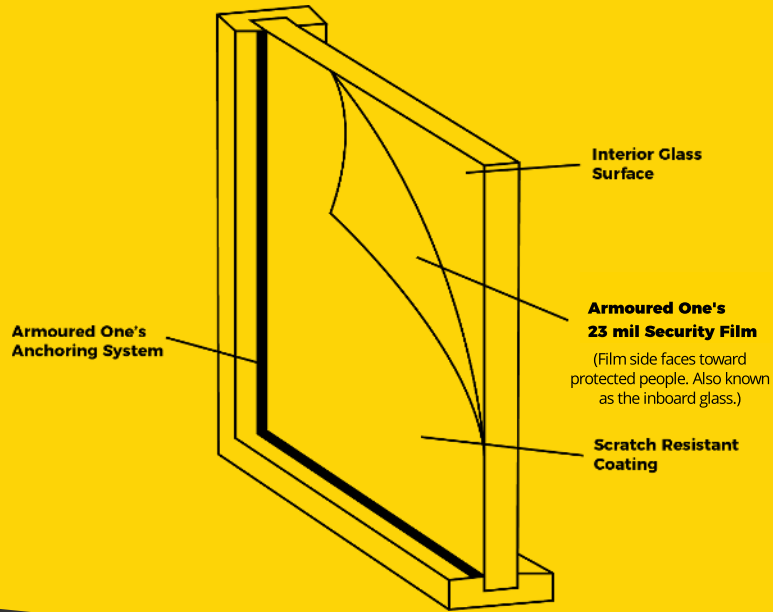


AOTSF23



In the US there is an active shooter incident that happens every day and when your building needs to go into lockdown, it is important to have glass that is designed to slow down or deter an attacker from gaining entry with a gun. If you have glass that you're not planning on replacing, then our shooter/attack/bomb resistant security film is a great option. It's the first film to be shooter/attack certified, which means it is designed for bullets to go through, but will still hold the glass together for a much longer time frame than typical safety film. Armoured One's security film was designed by active shooter experts and is military/police grade.

Installation of our 23MIL film is applied on the most inside surface of your existing glass and anchored to your existing framing. Our films are much thicker and utilize a patented adhesive technology that allows us to achieve the strength that other films cannot.

**RECOMMENDED
USES**

Our security film can be installed on all existing glass on a building. It can be applied to both interior glass, as well as exterior glass.

Thickness
23 MIL

Tensile Strength at Break
32,000 psi
ASTM D-882

Break Strength
640 lb/inch
ASTM D-882

Elongation at Break
230%
ASTM D-882

Warranty
15 Years

23 MIL SHOOTER/ATTACK/BOMB RESISTANT SECURITY FILM



BOMB BLAST & EXPLOSIVE PROTECTION

GSA Level C
ASTM F1642
Siach Gefen IDF Testing



FORCED ENTRY & BURGLARY RESISTANT

UL972 Burglary
Glazing Material
EN356 P4A



SHOOTER/ATTACK CERTIFIED

WEY-SA-C1



SAFETY GLAZING & GLASS BREAKAGE

ANSI 797.1
16 CFR CPSC 1201



WIND DEBRIS

ASTM E330
TAS 201, 202, 2013
Florida Building Code
(Dade County Small
Missile Test)
Hurricane



BURNING CHARACTERISTICS

ASTM E84

WHAT IS SHOOTER/ATTACK CERTIFIED?

Armoured One's Tactical Security Film is the first film to be tested with a standard based on the history of active shooters. This test is designed to simulate an average active shooter scenario. Other timed tests utilizing bricks, hammers, or other objects are not ideal and open up liability as these objects are not typically used in an active shooter scenario.

Optical and Solar Product Specification

No.	Parameter	Test Method	Measurement Tool	Spec	Unit	Comments
1	Haze	ASTM D 1003	Haze Gard Plus	<4	%	Film only
2	Color b	ASTM D 2244	MiniScan XE Plus	4.2	N/A	CIE-LAB D65/10 film only
3	Visible Light Transmitted	Optical and Solar performance...*	CARY 500 Scan Spectropho...**	87	%	Performance data on 1/8" clear glass***
4	Visible Light Reflected (Int)	*	**	12	%	***
5	Visible Light Reflected (Ext)	*	**	12	%	***
6	UV Block	*	**	>99	%	***
7	Total Solar Energy Reflected	*	**	11	%	***
8	Total Solar Energy Transmitted	*	**	77	%	***
9	Total Solar Energy Absorbed	*	**	12	%	***
10	Shading Coefficient	*	**	0.93	N/A	***
11	Total Solar Energy Rejected	*	**	19	%	***
12	Solar Heat Gain Coefficient	*	**	0.81	N/A	***
13	U-Value Winter	*	**	1.03	N/A	***
14	K-Value Winter	*	**	5.85	N/A	***
15	Glare reduction	*	**	3	%	***

* Optical and Solar performance simulated using LBNL softwares (Optics and WINDOW 5.2) according NFRC methodology

** CARY 500 Scan Spectrophotometer

*** Performance data on 1/8" clear glass