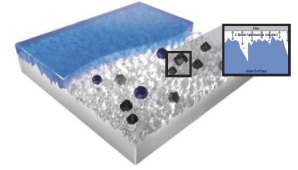


How does it work?

Our ballistic nanotechnology solution is engineered to maintain the original glass design integrity while dramatically increasing its mechanical performance properties. It enables ordinary glass to dissipate energy by permeating the glass surface and identifying microscopic flaws and defects randomly distributed that occur naturally on every glass surface. This proprietary technology then works to covalently bond to and repair the identified surface imperfections that weaken the glass composite structure and act as failure initiators. When combined with our proprietary film product, it creates a ballistic resistant barrier. Also important in case of impact, large pieces will not escape the immediate area of the glass surface that could otherwise result in serious laceration and/or personal injury.



Smarter Security ballistic glass can either be:

- Purchased as an option with new Fastlane turnstile orders, or
- Purchased as an upgrade for the thousands of existing Fastlanes in North, Central and South America.

Highlights

- Patented, Proven, and Validated NIJ Level I, Level II, Level IIA, UL 752 Ballistic Protection
- Unique one-way ballistic capability for commissioned first responders
- Cost Effective and Efficient to create a ballistic barrier of protection in new installations or retrofit of existing turnstiles

Accessories

Ballistic Resistant Glass Barriers

The best way to combat active shooter threats is to integrate proactive security measures that intervene and mitigate potential damages. That's why Smarter Security has introduced the latest advancement in ballistics as an option on all Fastlane® turnstile glass barriers, which enhances active shooter preparedness. Smarter Security's ballistic resistant glass barriers offer dependable performance, security, and safety with an NIJ (National Institute of Justice) validated protection level II standard. Our glass system is capable of stopping most common handgun rounds, including 45 ACP, 9 mm and a .357 magnum at traveling speeds up to 1,430 ft/s. These barriers are designed to be the first line of defense for any organization that seeks increased protection against criminal activity including unwanted forced entry, active shooters, and terrorist attacks.

Smarter Security ballistic glass is ideal for environments such as:

- Office Buildings
- Government Facilities
- Schools and Universities
- Financial Institutions
- Energy Facilities

PERFORMANCE					
Caliber	Test Level		Glass Type	Glass Thickness	Min. Layers of Film
22	NIJ Level I	UL Level I	Anneal Monolithic	3/8	3
38	NIJ Level I	UL Level I	Anneal Monolithic	3/8	3
9mm	NIJ Level II/IIA	UL Level II	Anneal Monolithic	1/2	3
357	NIJ Level II/IIA	UL Level II	Anneal Monolithic	1/2	3
22	NIJ Level I	UL Level I	Anneal IG	1/4-1/4 (1/2 air gap)	3-1 outside
38	NIJ Level I	UL Level I	Laminated Glass	1/4-1/4	3
9mm	NIJ Level II/IIA	UL Level II	Laminated Glass	1/4-1/4	3
357	NIJ Level II/IIA	UL Level II	Laminated Glass	1/4-1/4	3

Safety & Security Film Performance Guide

C-BOND II BALLISTIC RESISTANT FILM SYSTEM

SPECIFICATION DATA		CSPC 1201 CAT. II	ANSI Z97.1	ASTM E 1886/1996 LARGE MISSILE, LEVEL C	GSA LEVEL 2 (5.6 PSI, 34.9 PSI-MS)	972 TESTED	NIJ LEVEL I .22 & .38 CAL.	NIJ LEVEL II & IIA 9MM & 357 CAL.	752 TESTED
Film to Glass Specification	Safety			Windborne Debris Protection	Blast Mitigation	Forced Entry	Ballistics		
CB II \geq 3/8" GLASS MULTI-LAYER	✓	✓	✓	✓	✓	✓	✓		
CB II \geq 1/2" GLASS MULTI-LAYER	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ C-BOND Test Result ✓ Expected to Pass

Validation

Our nanotechnology solution has been tested and validated by independent third party laboratories in accordance with government, law enforcement and industry standards including American National Standards Institute (ANSI), American Society for Testing and Materials (ASTM), General Services Administration (GSA), National Institute of Justice (NIJ), Consumer Product Safety Commission (CPSC) and Underwriters Laboratories (UL).



www.smartersecurity.com | 800.943.0043

With thousands of systems installed on six continents, Fastlane is a world leader in elegant and intelligent optical turnstiles.

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