



ACCESSGARD™ SECURITY GLAZING

The Ideal Solution For Protecting Commercial Properties



Helping to Keep Commercial Properties Safer

ACCESSGARD™ security glazing is laminated glass constructed with a state-of-the-art proprietary material that is built to withstand extensive physical attack during a forced-entry scenario. It provides the aesthetics and daylighting advantages of glass, with an additional level of security.

Benefits:

- Tested to nationally recognized detention standards—ASTM F1233-08
- Meets safety glazing standards
- Installed following industry guidelines, no need for licensed installers
- Can be installed in industry standard doors, framing, as well as window and curtain wall systems
- For retrofit or new construction
- Provides security while optimizing daylight

Typical Applications:

- Access controlled entryways
- Entryway doors
- Vestibules
- Meeting and conference rooms
- Ground floor areas
- Monolithic and insulating units

Example Use Cases:

- Office buildings
- Shopping areas
- House of worship
- Manufacturing
- Data centers
- Government buildings
- Arenas and stadiums
- Museums and theaters
- Airports and Transportation hubs
- Public spaces

ACCESSGARD™ Products

		ACCESSGARD Security Glazing		ACCESSGARD-2118 Security Glazing
	Thickness	5/16"	3/8" - 1/2"	9/16"
	Availability	Available for ONLY retrofit monolithic and interior	Available for monolithic and insulating glass units	Available for monolithic and insulating glass units
	Maximum Size	Less than 20 sq. ft.	72 x 130*	60 x 96*
	Weight	3.68 lbs./sq. ft.	4.16 - 5.80 lbs./sq. ft.	4.95 lbs./sq. ft.
STANDARD COMPLIANCE	Forced Entry	ASTM F1233-08 Class 1.3	ASTM F1233-08 Class 1.3	ASTM F1233-08 Class 1.4
	Test Duration	6 min, 47 sec	6 min, 47 sec	17 min
	Safety	ANSI Z97.1, CPSC 16 CFR 1201 (Cat. I and II), Hurricane Compliant		
	Manufacturing	ASTM C 1036, ASTM C 1048, ASTM C 1349, ASTM C 1172		
	Options	Clear	Tinted Glass, Reflective Glass, Fire-Rated Glass, Low-E Glass, Insulating Glass Units	

*Actual glass thickness may vary due to glass size options and design loads.

Product Comparison to Other Detention Products

Global Security Glazing offers a wide range of security glazing products to protect a wide variety of buildings, including high-performance **forced-entry** and **bullet-resistant** constructions that can be installed in lobbies, access points, shelters, transactional windows and other areas where heightened security is desired.

	GOOD	BETTER	BEST
	ACCESSGARD SECURITY GLAZING	ATTACK RESISTANT	BULLET RESISTANT
Cost	\$	\$\$\$	\$\$\$\$
Level of protection	★★	★★★	★★★★★
Thickness	5/16"	7/16" - 1 1/4"	3/4" - 2 1/4"
Construction	Laminated security glass	Glass-CladPoly w/ glass on exposed surfaces	Glass-CladPoly w/ Poly on safe side. All glass make-ups available.

Test Data for ACCESSGARD™ and ACCESSGARD™-2118 Security Glazing

TEST SEQUENCE	TEST IMPLEMENTS	# OF IMPACTS	SEQUENCE TIME (SECONDS)	CLASS ACHIEVED	NOTES
1	Ball-Peen Hammer	10	22	1.0	One technician delivered 10 impacts with a Ball-Peen Hammer, no penetration or openings were created.
2	Ball-Peen Hammer	10	24	1.1	A second technician delivered 10 additional impacts with a Ball-Peen Hammer, no penetration or openings were created.
3	1 1/2" Diameter Pipe / 12-lb Sledge	25	174	1.2	One technician held the pipe while one technician swung a 12-lb Sledge Hammer. The pipe was held at different angles to evaluate the resistance of the sample to both puncture and gouging.
4	Extinguisher, CO2	NA	60	1.3	Extinguisher fully discharged for 60 seconds. This step is designed to freeze the materials, mimicking cold weather and making the components more brittle for subsequent attack. Other products in the market avoid this step.
5	Sledge Hammer	25	44	1.4	<p>ACCESSGARD: Immediately after discharging the extinguisher in Test Sequence 4, 19 impacts were delivered to the sample utilizing a Sledge Hammer. Testing was terminated after the 19th impact as the opening created in the sample allowed Body Passage per IAW ASTM F1233-08 Section 10.2.4.2.</p> <p>ACCESSGARD-2118: Immediately after discharging the extinguisher in Test Sequence 4, 25 impacts were delivered to the sample utilizing a Sledge Hammer.</p>
6	Propane Flame Torch		300	1.5	<p>ACCESSGARD-2118: The propane torch was used IAW ASTM F1233-08, Section A1.5.2. The flame was continuously applied and was held such that the blue tip of the torch flame was no further than 1-in from the surface of the sample. The flame was initially held at the location of the hole that allowed the 1/8-in contraband rod to pass through at the completion of Sequence 5. The sample material began to melt and the torch flame was used to enlarge the opening. At the conclusion of this sequence, a fine mist of water was used to extinguish the still-burning material. The Forced-Entry Shape was able to pass through the hole created during this sequence.</p>

5/16" - 1/2" - ACCESSGARD™ Security Glazing

Class Achieved: ASTM F1233-08 Class 1.3
Test Duration: 6 Minutes, 47 Seconds

9/16" - ACCESSGARD™-2118 Security Glazing

Class Achieved: ASTM F1233-08 Class 1.4
Test Duration: 17 Minutes

For installation and cleaning instructions, see our website SECURITY-GLAZING.COM/ACCESSGARD.

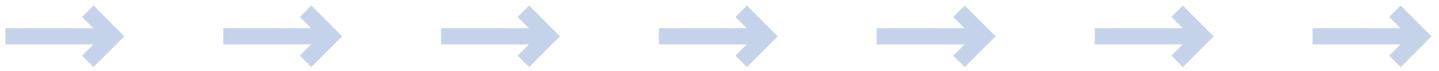
Please note that only the glazing has been tested to the attack tools, techniques, methods, testing procedures and durations detailed in ASTM F 1233-08, Class 1.3 and 1.4. GSG makes no warranty, and claims no responsibility for any loss, damage or claim for any tools, devices, techniques, or methods used, or any attack duration not otherwise detailed in ASTM F 1233-08, Class 1.3 and 1.4.

ACCESSGARD™ security glass products were also tested to additional non-industry standard test protocols. Please contact us for more details at accessgard@cghinc.com or 866.412.6977.



Test Duration: 6 minutes 47 seconds





To learn more about ACCESSGARD™ security glazing
visit **SECURITY-GLAZING.COM/ACCESSGARD** or email
accessgard@security-glazing.com

ACCESSGARD™ security glazing was developed to meet the needs of the commercial building market and their desire to improve security. Global Security Glazing's team has over 50 years of experience developing and fabricating glass products for the security industry from correctional facilities, international embassies, federal courthouses, and hospitals. Our knowledge base has driven innovation in several security and safety glazing categories including bullet, blast, impact, attack, and fire resistance, as well as our latest breakthroughs for school and commercial property protective glazing. Security glazing products include all-glass laminates, glass-clad polycarbonates, and laminated polycarbonates that are fully tested to industry and governmental specifications, as well as additional specific testing standards.



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