



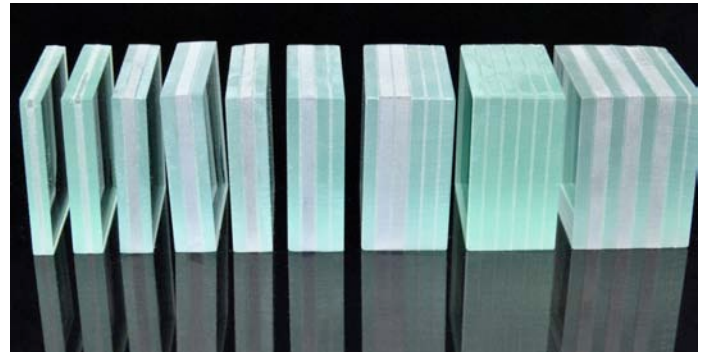
SECURITY BULLET AND BLAST RESISTANT

PRODUCT DESCRIPTION

Glassopolis offers a wide range of security glass. Most products are multi-laminations consisting of layers of glass, ceramic, polycarbonate and other polymers. Let us know your specification and we will provide you with the best options available.

ENHANCED FIRE-RATED

- Glassopolis' fire-rated glass can be combined with other materials to add forced entry, bullet and blast protection
- We offer a 60 minute UL labeled fire-rated product that also has bullet and hurricane level protection. Don't settle for products that are not UL approved!
- Often used in prisons and other security facilities where fire and security is required



FORCED ENTRY

- Used to protect life and property. Individual layers may crack or break but the laminate remains in place and prevents entry through the opening
- ASTM and HP White test standards are commonly used. They define simulated attacks using sledgehammers, chisels, axes, torches, gasoline etc.
- Forced Entry test standards include ASTM (Class I to Class V) and HP White (Level I to Level V)

HURRICANE

- Used to protect buildings and occupants from devastating loss due to Hurricanes
- Miami-Dade County is a leader in defining test standards for impact and wind pressure
- Typical test standards include small and large missile impact tests consisting of 2"x4" timber launched from a cannon

BULLET

- Used to provide resistance to penetration from a variety of small arms fire
- National Institute of Justice (NIJ) and HP White test standards are commonly used. They define simulated attacks based on the caliber of the ammunition used by the firearm
- NIJ 0108.1 ballistic resistance ratings range from threat level I to IV
- UL 752 standard ranges from threat level I to 8

WE PUT COMMERCIAL GLASS CONTRACTORS FIRST

FAST QUOTES. PROMPT DELIVERY. EXPERT SERVICE. FLEXIBLE PAYMENT TERMS.



T: 1-800-262-9600 F: 1-800-872-9601 W: GLASSOPOLIS.COM



GLASSOPOLIS
SPECIALTY GLASS

NIJ 0108.01 BALLISTIC RESISTANCE TEST RATINGS

THREAT LEVEL RATING	WEAPON CALIBER TEST AMMUNITION	BULLET WEIGHT (GRAINS)	VELOCITY (MIN)	RANGE (MAX)	NUMBER OF SHOTS	SUGGESTED BARREL LENGTH
I	.22 Long Rifle HV	2.6 g / 40 gr.	320+/-12m/s	1050+/-40 ft/s	5	15 to 16.5 cm. 6 to 6.5 in.
I	.38 Spec. Round Nose Lead	10.2 g / 158 gr.	259+/-15m/s	850+/-50 ft/s	5	15 to 16.5 cm. 6 to 6.5 in.
II-A	.357 Mag Jacketed Soft Point	10.2 g / 158 gr.	381+/-15m/s	1250+/-50 ft/s	5	10 to 12 cm. 4 to 4.75 in.
II-A	.9 mm Full Metal Jacket	8.0 g / 124 gr.	332+/-12m/s	1090+/-40 ft/s	5	10 to 12 cm. 4 to 4.75 in.
II	.357 Mag. J.S.P.	10.2 g / 158 gr.	425+/-12m/s	1395+/-15 ft/s	5	15 to 16.5 cm. 6 to 6.5 in.
II	.9 mm Full Metal Jacket	8.0 g / 124 gr.	358+/-12m/s	1175+/-40 ft/s	5	10 to 12 cm. 4 to 4.75 in.
III-A	.44 Mag. Semi Wadcutter Gas Checked	15.55 g / 124 gr.	426+/-15m/s	1400+/-50 ft/s	5	14 to 16. cm. 5.5 to 6.25 in.
III-A	.9 mm Full Metal Jacket	8.0 g / 124 gr.	426+/-15m/s	1400+/-50 ft/s	5	24 to 26 cm. 9.5 to 10.25 in.
III	7.62 (.308 Winchester) Full Metal Jacket	9.7 g / 150 gr.	838+/-15m/s	2750+/-50 ft/s	5	56 cm. 22 in.
IV	.30-06 Armor Piercing	10.8 g / 166 gr.	868+/-15m/s	2850+/-50 ft/s	5	56 cm. 22 in.

UL 752 BULLET RESISTING EQUIPMENT - BALLISTIC TEST LEVELS

UL 752 BULLET RESISTING EQUIPMENT - BALLISTIC TEST LEVELS						
THREAT LEVEL	WEAPON CALIBER TEST AMMUNITION	BULLET WEIGHT	VELOCITY (MIN FPS)	VELOCITY (MAX FPS)	VELOCITY MPS	NUMBER of SHOTS
Level 1	9 mm Full Metal Copper Jacket with Lead Core	124 (8.0g)	1175	1293	358	3
Level 2	.357 Magnum Lead Jacketed Soft Point	158 (10.2g)	1250	1375	381	3
Level 3	.44 Magnum Lead Semi Wadcutter Gas Checked	240 (15.6g)	1350	1485	411	3
Level 4	.30 cal Rifle Lead Core Soft Point	180 (11.7g)	2540	2794	774	1
Level 5	7.62 mm Rifle Lead Core Full Metal Cpr. Jacket (Military)	150 (9.7g)	2750	3025	838	1
Level 6	9 mm Full Metal Copper Jacket with Lead Core	124 (8.0g)	1400	1540	427	5
Level 7	5.56 mm Rifle Full Metal Copper Jacket Lead Core	55 (3.56g)	3080	3388	939	5
Level 8	7.62 mm Rifle Lead Core F/M/Cpr. Jacket/ Military Ball	150 (9.7g)	2750	3025	838	5
Supplementary Shotgun	12 Gauge Rifled Lead Slug	1 oz. (28.3g)	1585	1744	483	3
	12 Gauge 00 Lead Buckshot (12 Pellets)	1.5 oz. (42g)	1200	1320	366	3

WE PUT COMMERCIAL GLASS CONTRACTORS FIRST

FAST QUOTES. PROMPT DELIVERY. EXPERT SERVICE. FLEXIBLE PAYMENT TERMS.



T: 1-800-262-9600 F: 1-800-872-9601 W: GLASSOPOLIS.COM



GLASSOPOLIS
SPECIALTY GLASS