

Product Information

Bullet Resistant Glass

Description: ProCurve Bullet Resistant Glass is laminated glass comprised of multiple plies of flat or curved glass bonded together by plastic interlayers. The glass configuration depends on the specified level of ballistics performance. In addition, laminates may incorporate polycarbonate sheets. There are a variety of bullet resistant test standards, including UL 752, NIJ 0108.01, and other military standards. Acceptance criteria are based around no penetration and no spall after impact. Broken bullet resistant glass is expected to remain in place, providing a security barrier, until replacement can be made.

Applications include banks, teller windows, ticket booths, secure vestibules, as well as ballistic glazing for marine and automotive applications.

Testing:

UL 752 Standard for Bullet Resisting Equipment

Level	Ammunition	Grain	Velocity (fps)	Number of shots
1	9mm Full Metal Copper Jacket with Lead Core	124	1175-1293	3
2	.357 Magnum Jacketed Lead Soft Point	158	1250-1375	3
3	.44 Magnum Lead Semi-Wadcutter Gas Checked	240	1350-1485	3
4	.30 Caliber Rifle Lead Core Soft Point	180	2450-2794	1
5	7.62mm Rifle Lead Core Full Metal Copper Jacket, Military Ball	150	2750-3025	1
6	9mm Full Metal Copper Jacket with Lead Core	124	1400-1540	5
7	5.56mm Rifle Full Metal Copper Jacket with Lead Core	55	3000-3388	5
8	7.62mm Rifle Lead Core Full Metal Copper Jacket, Military Ball	150	2750-3025	5

NIJ 0108.01 Ballistic Protective Glazing Materials

Level	Ammunition	Grain	Velocity (fps)	Number of shots
I	22 Long Rifle High Velocity Lead	40	1050 \pm 40	5
	.38 Special Round Noise Lead	158	850 \pm 50	5
IIA	.357 Magnum Jacketed Soft Point	158	1250 \pm 50	5
	9mm Full Metal Jacket	124	1090 \pm 40	5
II	.357 Magnum Jacketed Soft Point	158	1395 \pm 50	5
	9mm Full Metal Jacket	124	1175 \pm 40	5
III-A	.44 Magnum Lead Semi-wadcutter Gas Checked	240	1400 \pm 50	5
	9mm Full Metal Jacket	124	1400 \pm 50	5
III	7.62mm (.309 Winchester) Full Metal Jacket	150	2750 \pm 50	5
IV	30-06 AP	166	2850 \pm 50	1



Manufacturing Capabilities

Flat or Curved Glass Maximum size: 120" (3048mm) x 240" (6100mm)

Glass & coatings options: Extra clear (low iron) or very dark gray glass

Special fabrication: Holes and cut outs

Special edgework: Seamed, pencil polish

For more information on bullet resistant glass, contact ProCurve Glass, 215-441-9101