



ALL-GLASS BULLET-RESISTANT GLAZING

All-glass protection against firearms.

Bullet-resistant glazing must provide a safe and effective barrier between an armed attacker and his victims. It must also resist a set number of shots fired against it. Important factors in the choice of bullet-resistant glass are:

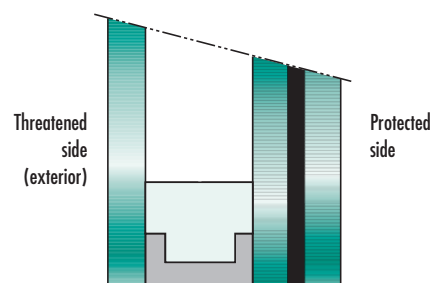
The degree of risk inherent to the establishment or premises, taking into consideration:

- the type of building (bank, financial institution etc.);
- the type of activity (court house, embassy, armoured vehicle, etc.);
- the presence of personnel;
- response time and measures;
- the calibre of the weapons anticipated.

Bullet resistance, taking into consideration:

- the type of firearm;
- initial velocity;
- firing distance;
- the type of ammunition (lead or steel);
- glazing temperature.

PREL-SECUR all-glass bullet-resistant glazing can be used wherever protection against armed attack is required. It is not suitable for forced-entry protection: it is designed to resist impact from high-speed projectiles, not prolonged blows by heavy objects (hammers, rocks, bricks, etc.). **PREL-SECUR** is a multi-laminate safety glass made to resist penetration by bullets. Upon impact, the shock wave produced by the projectile causes spall on the protected surface. **PREL-SECUR** glazing is designed to minimize spall.



Section of insulating glass unit with PREL-SECUR lite

GLAZING TEMPERATURE

Single-glazed bullet-resistant glazing may be less effective under certain climatic conditions. The performance of polyvinyl butyral (used in the fabrication of laminated glass) varies with the ambient temperature. PVB performance stability is assured within a 35°C temperature range, generally between 12°C and 45°C.

EXTERIOR INSTALLATION

PRELCO recommends the use of insulating glass units for exterior facades. The outside surface should be reflective if the glazing is exposed to solar radiation.

PERFORMANCE CHARACTERISTICS

Product	Nominal thickness	Weapon	U.L. 752 class Listed mark	Weight (lb./sq.ft.)	Maximum size*	Tolerance	
						Dimensional	Thickness
PS1188V	1 ³ / ₁₆ "	9 mm	Level 1 bullet resistant	15	60" x 96"	± 1/4"	+1/16 - 1/8"
PS1500V	1 ¹ / ₂ "	.357 Magnum	Level 2 bullet resistant	18.8	60" x 96"	± 1/4"	+3/16 - 0"
PS1750V	1 ³ / ₄ "	.44 Magnum	Level 3 bullet resistant	23	60" x 96"	± 1/4"	+3/16 - 0"
PS2000V	2"	30.06	Level 4 bullet resistant	25.5	60" x 96"	± 1/4"	+3/16 - 0"

* Panel weight should not exceed 700 lb.

PREL-SECUR ALL GLASS bullet-resistant glazing complies with the ballistics requirements specified by UL 752.

The information contained herein is, to the best of our knowledge and belief, correct. This information is intended for reference purposes only. In no event will **PRELCO INC.** be responsible for faulty usage of this product. The information contained herein may change as new developments occur and further experience is gained.



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