

The Ultimate Guide to **Bulletproof Glass & Bullet-Resistant Barriers**

To protect your most valuable assets



Safety + Aesthetics[™] in Ballistic Systems

What is Bulletproof Glass?

More accurately described as bullet-resistant glass, it is actually one of several types of ballistic glazing materials. It is a little-understood fact that in many cases there is no actual "glass" involved.

The Breakdown

Bullet-resistant glass is constructed using one or more of the following materials: acrylic, polycarbonate, or actual glass. These materials are used either by themselves in the case of monolithic acrylic, or layered together in multiple configurations to achieve specific properties.

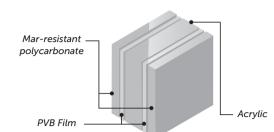
The four most common configurations we sell are:





Laminated Polycarbonate

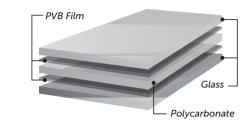
Best suited for indoor use, it is also customizable. However, lamination impacts optical clarity.



PROTECTION LEVELS: 123 0000

Glass-Clad Polycarbonate

Its multiple thick layers reach the highest-rated levels of bullet resistance.



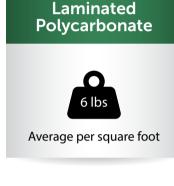
PROTECTION LEVELS: 12345678

Average Weight per Square Foot

The actual weight of each type of bullet-resistant glass is directly related to its corresponding ballistic rating level. The below weights are the average across all levels available for that glass type.

Glass







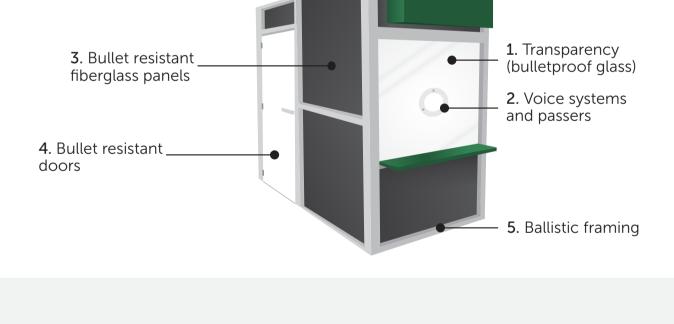


The 8 Levels of Bullet-Resistance

Each level of glass has been tested and found effective at stopping certain types of ammunition. The below chart illustrates the weapons used to test at each UL 752 rating level.

Ammunition	# of Shots	Level
9mm Pistol	3	L1
.357 Magnum	3	L2
.44 Magnum	3	L3
.30-06 Hunting Rifle	1	L4
AK-47 Assault Rifle	1	L5
Uzi Submachine Gun	5	L6
M16 Assault Rifle	5	L7
AK-47 Assault Rifle	5	L8

5 Typical Components of a Bullet Resistant Barrier



Our Proven Process Core Competencies

THE **TSS** DIFFERENCE =

ASSESS Thorough evaluation Project specifications



Our customers rely on Total Security Solutions for four main reasons:

CUSTOM DESIGNS





Most Frequently Installed



TSS most commonly installs these 3 types of bulletproof glass:

Level 3: Laminated Polycarbonate

Level 4: Glass Clad Polycarbonate

Level 1: Monolythic Acrylic

and the TSS team brings that expertise to bear on your security challenges.