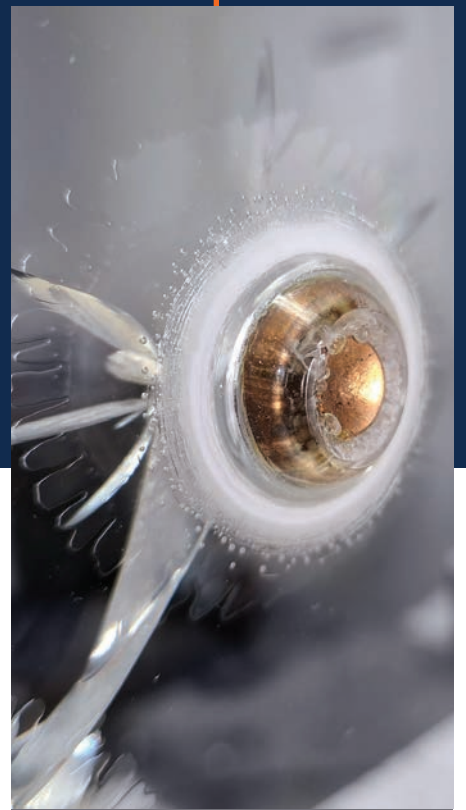


GLASS PRODUCT CATALOG



SAFEWOOD
DESIGNS





OUR MISSION

SafeWood Designs, Inc. has a clear mission and that is to enhance the safety and security in all places you live, learn, work, worship, and play.

ABOUT US

SafeWood Designs, Inc. is a manufacturer of bullet-resistant materials and products that enhance the safety and security of interior spaces without compromising aesthetics or structural integrity. Our system is comprised of custom-built doors, walls, windows, shields, furniture, and more that all seamlessly integrate and blend into an existing building's structure and features. Beautifully designed, discreet, and comprehensive systems in place are vitally important to maintain an environment that is more safe and secure and remains warm and welcoming.

UL752 BALLISTICS CHART

Understanding your perceived threat is step one in understanding what level of protection you require. Are you concerned with handgun threats or rifle threats? The UL752 Ballistics Chart illustrates the appropriate level of protection for each type of weapon or ammunition threat. The most sought-after protection levels are UL752 Level 3 and Level 8.

Bullet Resistant UL752	BR Level	Weapon	Ammunition	Shots	Velocity
	1	9mm Full Metal Copper Jacket with Lead Core	124 GR FMJ	Single	1175-1295
	2	.357 Magnum Jacketed Lead Soft Point	158 GR SP	Single	1250-1375
	3	.44 Magnum Lead Semi-wadcutter Gas Checked	240 GR Lead	Single	1350-1485
	4	.30 caliber Rifle Lead Core Soft Point (.30-06 Caliber)	180 GR SP	Single	2540-2794
	5	7.62mm Rifle Lead Core Full Metal Copper Jacket Military Ball (.308 Caliber)	150 GR FMJ	Single	2750-3025
	6	9mm Uzi Full Metal Copper Jacket with Lead Core	124 GR FMJ	Multiple	1400-1540
	7	5.56mm M-16 Rifle Full Metal Jacket w/ Lead Core (.223 Caliber)	55 GR FMJ	Multiple	3080-3388
	8	7.62 Rifle Lead Core Full Metal Copper Jacket Military Ball (.308 Caliber)	150 GR FMJ	Multiple	2750-3025

What is Bullet-Resistant Glass?

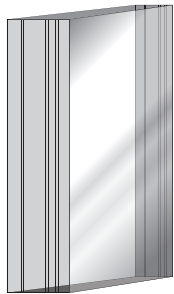
Bullet Resistant Glass is a composition of glass sheets and plastic films that are bound together in an autoclave. This process is called lamination. The finished product is a single piece of laminated glass and plastic film that will vary in thickness in accordance to the protection level that is required and ranges from 15 mm to 65 mm (0.6 in to 2.6 in.)

Why use Bullet-Resistant Glass?

Bullet Resistant Glass provides protection against armed attacks, terrorists, robbers, hit men and criminals in general. From handguns to rifles, we can produce the required composition to insure maximum security.

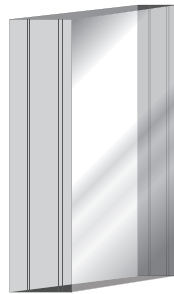
BALLISTIC GLASS CLAD LAMINATES

This highly resilient and lightweight transparent armor is offered in two options: flat sheets or curved and cut to suit your specific needs. By merging the sturdy properties of glass with the resilient toughness of polycarbonate, SafeWood Designs glass clad systems are meticulously engineered to effectively counter high-powered firearm threats, minimizing or eliminating spalling. SafeWood Designs glass laminates adhere to the rigorous standards set by NIJ and UL for bullet-resistant applications. Made in the USA!



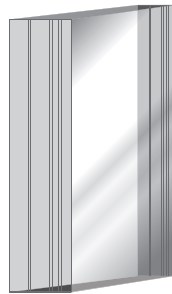
SWD 002 LS

UL752 Level 2 Ballistics
Thickness: 1" (1.056")
Weight: 11.64 lbs sq/ft
**Low Spall*



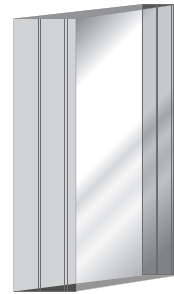
SWD 002

UL752 Level 2 Ballistics
Thickness: 3/4" (.818)
Weight: 8.99 lbs sq/ft



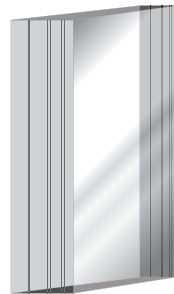
SWD 003 LS

UL752 Level 3 Ballistics
Thickness: 1-3/16" (1.2)
Weight: 13.5 lbs sq/ft
**Low Spall*



SWD 003

UL752 Level 3 Ballistics
Thickness: 15/16" (.943)
Weight: 10.9 lbs sq/ft



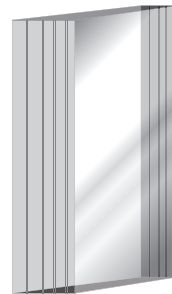
SWD 004 LS

UL752 Level 4 Ballistics
Thickness: 1-1/4" (1.25)
Weight: 14.3 lbs sq/ft
**Low Spall*



SWD 004

UL752 Level 4 Ballistics
Thickness: 1-1/8" (1.1)
Weight: 11.68 lbs sq/ft



SWD 005 LS

UL752 Level 5 Ballistics
Thickness: 1-5/8" (1.6)
Weight: 17.3 lbs sq/ft
**Low Spall*



SWD 005

UL752 Level 5 Ballistics
Thickness: 1-3/8" (1.35)
Weight: 14.78 lbs sq/ft



SWD 005 MH LS

HP White 7.62 NATO
Thickness: 1-3/4" (1.75)
Weight: 19.3 lbs sq/ft
**Multiple Hits; Low Spall*



SWD 005 MH

UL752 Level 5 Ballistics
Thickness: 1-7/16" (1.475)
Weight: 16.69 lbs sq/ft
**Multiple Hits*



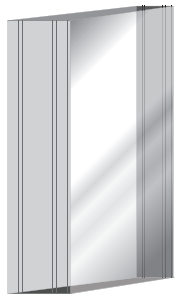
SWD 007

UL752 Level 7 Ballistics
Thickness: 1-7/8" (1.827)
Weight: 21.32 lbs sq/ft



SWD 008 LS

UL752 Level 8 Ballistics
Thickness: 2-5/16" (2.3)
Weight: 29.3 lbs sq/ft
**Low Spall*



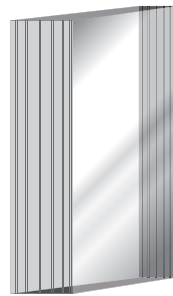
SWD 1000

UL752 Level 1 Ballistics
Thickness: 3/4" (.75)
Weight: 6.4 lbs sq/ft



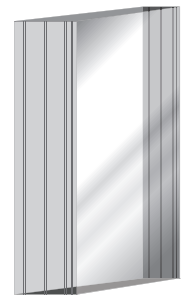
SWD 3000

UL752 Level 3 & 6 Ballistics
Thickness: 1-1/4" (1.24)
Weight: 11.38 lbs sq/ft



SWD 3500

UL752 Level 3 Ballistics
Thickness: 1-1/4" (1.26)
Weight: 10.7 lbs sq/ft

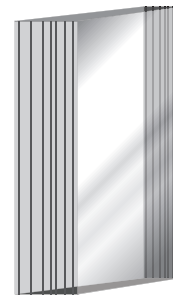


SWD 5000

NIJ Level III B-6 7.62 NATO
Thickness: 1-5/8" (1.64)
Weight: 19.3 lbs sq/ft

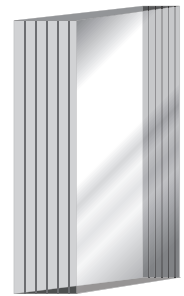


UL752 Bullet-Resistant Transaction Windows and Door



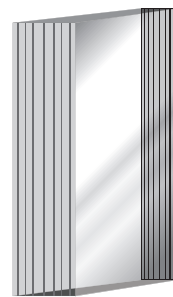
SWD UL8

UL752 Level 8 Ballistics
Thickness: 2-1/8" (2.14)
Weight: 23 lbs sq/ft



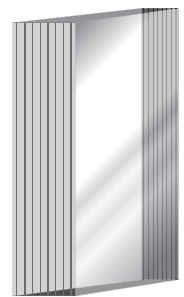
SWD 008 AP

UL752 Level 7 & 8 Ballistics
Thickness: 2-1/4" (2.275)
Weight: 26.71 lbs sq/ft



SWD 50 CAL BALL

UL752 Level 10 Ballistics
Thickness: 3"
Weight: 39 lbs sq/ft



SWD 50 CAL AP

HP White 50 Cal AP (1 Shot)
Thickness: 4" (3.98)
Weight: 46 lbs sq/ft

SECURITY GLASS CLAD LAMINATES

SafeWood Designs Security glass clad laminates offer enduring defense against moderate ballistic and forced entry risks. The sturdiness and adaptability of these laminates make them an ideal selection for correctional facilities, courthouses, government buildings, and corporate security purposes. By adjusting the thickness and composition, like incorporating glass or polycarbonate layers, our security glass clad laminates can be personalized to fulfill your specific threat level requirements. Made in the USA!



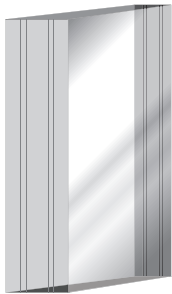
GCP 375

HP White TP Lvl 1 - Forced Entry
Thickness: 3/8" (.375)
Weight: 4 lbs sq/ft



GCP 450

HP White Lvl A Ballistic; 38 Special
Thickness: 7/16" (.45)
Weight: 4.4 lbs sq/ft



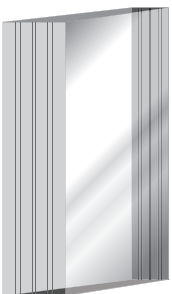
GCP 530

HP White Lvl A Ballistic; 38 Special
Thickness: 1/2" (.53)
Weight: 4.79 lbs sq/ft
**Low Spall*



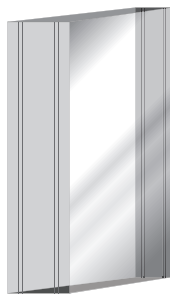
GCP 600

HP White Lvl A Ballistic; 38 Special
Thickness: 9/16" (.6)
Weight: 5.18 lbs sq/ft
**9mm Low Spall*



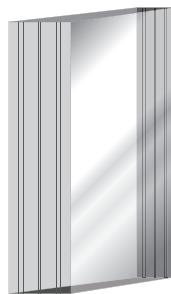
GCP 625

HP White Lvl B Ballistic; 9mm
Thickness: 5/8" (.625)
Weight: 5.28 lbs sq/ft
**9mm Low Spall*



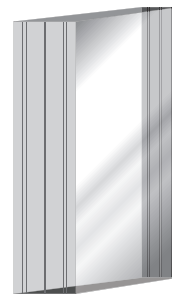
GCP 725

HP White Lvl B Ballistic; 9mm
Thickness: 11/16" (.725)
Weight: 5.96 lbs sq/ft
**9mm Low Spall*



GCP 750

UL752 Level 1 Ballistics
Thickness: 3/4" (.736)
Weight: 6.06 lbs sq/ft
**9mm Low Spall*



GCP 875

HP White Lvl A Ballistic; 38 Special
Thickness: 7/8" (.875)
Weight: 7.14 lbs sq/ft
**9mm Low Spall*

STUDENT SHIELD

Laminated safety glass constructed of proprietary transparent materials. STUDENTSHIELD security glazing is designed to withstand extensive physical attack (H.P. White 0500.02 Level 1) 25 impacts from a sledge hammer and, also withstand ballistic protection from small handguns (H.P. White Level A ballistics). STUDENTSHIELD complies with standard safety glazing codes for all interior and exterior applications.

INTERIOR

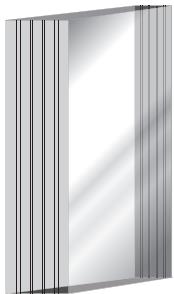
HP White TP Lvl 1 - Forced Entry
Thickness: 1/2" (.5)
Weight: 4.7 lbs sq/ft

EXTERIOR

HP White Lvl A Ballistic; 38 Special
Thickness: 1"
Weight: 7.5 lbs sq/ft



UL752 Bullet-Resistant
Full Vision Door



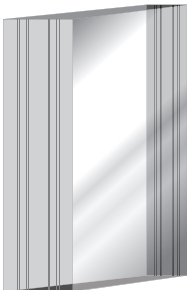
GCP 960

HP White Lvl B Ballistic; 9mm
Thickness: 15/16" (.96)
Weight: 7.3 lbs sq/ft



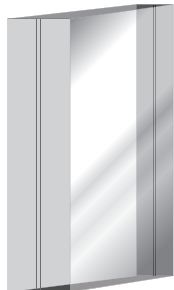
GCP 1000

HP White Lvl B Ballistic; 357 Mag
Thickness: 1" (1.06)
Weight: 9.33 lbs sq/ft
**Low Spall*



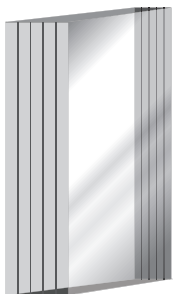
GCP 1250

UL752 Level 3 Ballistics
Thickness: 1-1/4" (1.22)
Weight: 10.5 lbs sq/ft
**44 Mag Low Spall*



9/16" HURRICANE

UL972 Burglary Resistant Glazing
Thickness: 9/16" (.5625)
Weight: 6.5 lbs sq/ft



9/16" LAMINATED

UL972 Burglary Resistant Glazing
Thickness: 9/16" (.5625)
Weight: 6.83 lbs sq/ft



GCP 800 13/16"

HP White Lvl B Ballistic
Thickness: 13/16" (.775)
Weight: 6.3 lbs sq/ft
**9mm & 357 Mag Low Spall*

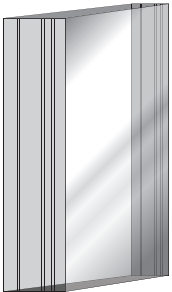


UL752 Bullet-Resistant Sidelight Test Shoot



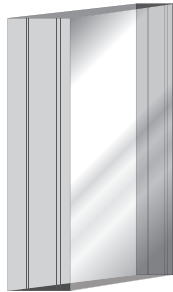
BALLISTIC ALL GLASS LAMINATES

SafeWood Designs' laminated glass provides the strength of traditional bullet-resistant glazing at a highly affordable cost, whether in a flat or curved shape tailored to your needs. Our glass laminates meet the necessary bullet-resistant standards set by NIJ and UL. Additionally, we have the capability to produce laminated glass that meets any other specific standard you may have. Made in the USA!



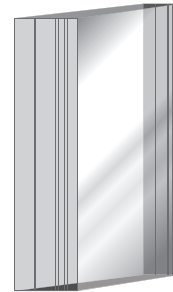
SWD 001 AG

UL752 Level 1 Ballistics
Thickness: 1-3/16" (1.185)
Weight: 15.25 lbs sq/ft



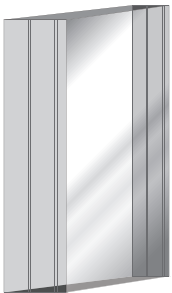
SWD UL1

UL752 Level 1 Ballistics
Thickness: 1-1/4" (1.28)
Weight: 16.2 lbs sq/ft



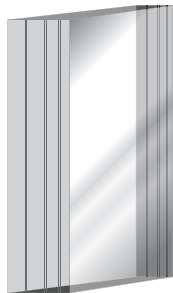
SWD 002 AG

UL752 Level 2 Ballistics
Thickness: 1-3/8" (1.4)
Weight: 17.94 lbs sq/ft



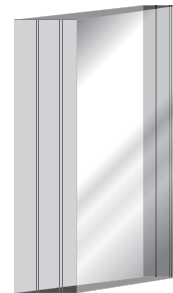
SWD 003 AG

UL752 Level 3 Ballistics
Thickness: 1-9/16" (1.59)
Weight: 20.38 lbs sq/ft



SWD 004 AG

UL752 Level 4 Ballistics
Thickness: 2"
Weight: 25.63 lbs sq/ft



SWD 008 AG

HP White 7.62 AP
Thickness: 2-7/16" (2.4)
Weight: 29.76 lbs sq/ft

POLYCAST® ACRYSHIELD™

Polycast® Acryshield™ Bullet Resistant sheet is an effective solution for essential barrier protection in glazing applications. The different available grades are UL designated and are designed to fit a variety of ballistic protection applications.

ACRYSHIELD™ MP

UL752 Level 1 Ballistics
Thickness: 1-1/4" (1.25)
Weight: 7.7 lbs sq/ft

ACRYSHIELD™ HP

UL752 Level 2 Ballistics
Thickness: 1-3/8" (1.378)
Weight: 8.5 lbs sq/ft

ACRYSHIELD™ SP

UL752 Level 3 Ballistics
Thickness: 1-1/4" (1.25)
Weight: 7.7 lbs sq/ft

ACRYSHIELD™ SMG

UL752 Level 6 Ballistics
Thickness: 1-1/4" (1.25)
Weight: 7.7 lbs sq/ft

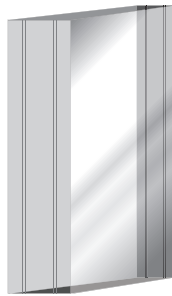
LAMINATED POLYCARBONATE

SafeWood Designs laminated polycarbonate sheets offer security against multiple shots and forced entry attempts. They also provide protection against spalling, which is the passage of fragments or splinters that could potentially harm people behind the protective unit. Additionally, these sheets are coated with a durable abrasion-resistant layer on both sides for long-lasting performance. In addition to their protective qualities, our laminated polycarbonate sheets also offer excellent optical clarity and are generally lighter in weight compared to other materials used for bullet resistance. Made in the USA!



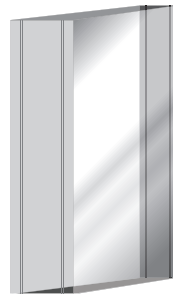
LP 375

HP White Level A Ballistics
Thickness: 3/8" (.39)
Weight: 2.44 lbs sq/ft



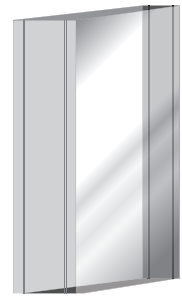
LP 500

HP White Level A Ballistics
Thickness: 1/2" (.5)
Weight: 3.32 lbs sq/ft



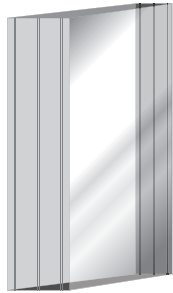
LP 750

HP White Level B Ballistics
Thickness: 3/4" (.757)
Weight: 4.88 lbs sq/ft



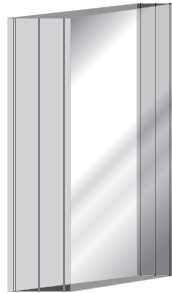
LP 750 BR

UL752 Level 1 Ballistics
Thickness: 3/4" (.758)
Weight: 4.84 lbs sq/ft



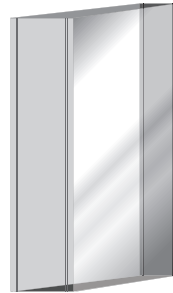
LP 1000

HP White Level B Ballistics
Thickness: 1"
Weight: 6.54 lbs sq/ft



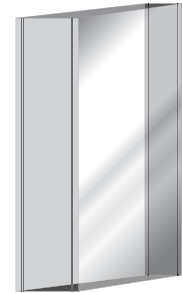
LP 1250

UL752 Level 3 Ballistics
Thickness: 1-1/4" (1.25)
Weight: 8.1 lbs sq/ft



LP 1250 BR

UL752 Level 3 Ballistics
Thickness: 1-1/4" (1.25)
Weight: 8.1 lbs sq/ft



LP 1250 A

UL752 Level 3 Ballistics
Thickness: 1-1/4" (1.25)
Weight: 8.1 lbs sq/ft

What is Spalling?

The term "spalling" refers to the movement of glass towards the protected side of a transparent armor glaze during an attack. While security glazings can eliminate the threat, they can still allow for spalling, whether it's limited or not. Anti-spalling requirements for glazings fall within two levels:

- Low Spalling:** Allows a limited amount of glazing loss
- No Spalling:** Allows for no glazing loss

How do I clean ballistic glazing?

Using chemical cleaners with abrasive surfaces can cause damage such as cracking and fogging. It is strongly recommended to clean all ballistic glazing, whether polycarbonate or acrylic, with a mild and diluted detergent such as dawn dish soap and water with a soft cotton cloth or microfiber towel.

safety + security. redesigned.



SAFEWOOD
D E S I G N S

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