

ACRYLITE® Bullet Resistant acrylic sheet

ACRYLITE® BR acrylic sheet (Level 1)

ACRYLITE® Securus™ acrylic sheet (Level 2)



Bullet resistant barriers are recommended by the FBI as a “best practices” strategy, deterring thieves from jumping over counters and emptying cash drawers. Proving the point, of the 40 banks robbed in NJ in the first quarter of 2009, only one had a bandit barrier. And by creating an environment where robberies are less likely to happen, people feel a lot safer.

Evonik Cyro LLC offers a complete line of UL-752 Level 1 and Level 2 abrasion resistant coated and uncoated bullet resistant sheet approved for indoor and outdoor applications. Made with uncompromising quality, ACRYLITE® BR acrylic sheet (Level 1) and ACRYLITE® Securus™ acrylic sheet (Level 2) provides the protection your customers need with the superior optical quality and value you can expect from Evonik Cyro.

Features & Benefits:

- Crystal clear with superior optical quality – edges can be polished to a diamond-like brilliance
- Protection your customers need – available in UL-752 Level 1 and Level 2, abrasion resistant coated or uncoated
- Value to your customers – great pricing with fast turnaround
- Offers 92% light transmission while bullet resistant polycarbonate and glass offer 87% or less
- Lightweight ~50% lighter than glass with the same UL rating
- Easy to work with – can be fabricated into almost any configuration
- Available with an abrasion resistant coating that offers many times the mar resistance of standard acrylic to withstand constant public contact and frequent cleaning

Applications

- Bank teller windows
- Check cashing kiosks
- Foreign currency exchanges
- Credit union offices
- Convenience stores
- Taxicab partitions
- Toll stations

Standard Product Offering:

Sizes: 49" x 97" (1,245 x 2,464 mm)
61" x 73" (1,549 x 1,854 mm)
61" x 97" (1,549 x 2,464 mm)
73" x 97" (1,854 x 2,464 mm)

Uncoated lengths up to 120" (3,048 mm)

Custom sizes available upon request

Thicknesses:

1.25" (31.8 mm) Level 1 ACRYLITE BR sheet and abrasion resistant coated ACRYLITE BR GAR sheet

1.375" (35 mm) Level 2 ACRYLITE Securus sheet and abrasion resistant coated ACRYLITE Securus GAR sheet

Color: Colorless



UL Standards for Security Glazing

UL-752 Rating	Ammunition Description	Ammunition Weight (grain)	Velocity (fps)	Muzzle Energy (ft-lbs)	Number of Shots
Level 1	9 mm full metal copper jacket with lead core	124	1175-1293	340-460	3
Level 2	.357 magnum jacket lead soft point	158	1250-1375	537-650	3

UL Rating - Level 1 Typical Values

A rating of UL-752 Level 1 protects against medium power arms such as a 9 mm.

	Acrylic (Monolithic)	Glass Clad Polycarbonate	Laminated Glass	Laminated Polycarbonate
Number of Plies	1	3+	3+	3
Thickness (in)	1.25	0.75	1.19	0.75
Light Transmission (%)	92	79	77	87
Density (lb/sq. ft.)	7.7	7-8	15	5.1



UL Rating - Level 2 Typical Values

A Level 2 rating protects against high power arms such as a 357 magnum.

	Acrylic (Monolithic)	Glass Clad Polycarbonate	Laminated Glass	Laminated Polycarbonate
Number of Plies	1	3+	3+	4
Thickness (in)	1.38	0.94	1.31	1.00
Light Transmission (%)	92	76	70	87
Density (lb/sq. ft.)	8.6	11-13	18	6.5



For further details on our bullet resistant acrylic products, please visit our website at www.cyro.com.

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