



# PROTECT-BR3

## Bullet Resisting to UL 752 Level 3

### PRODUCT DESCRIPTION

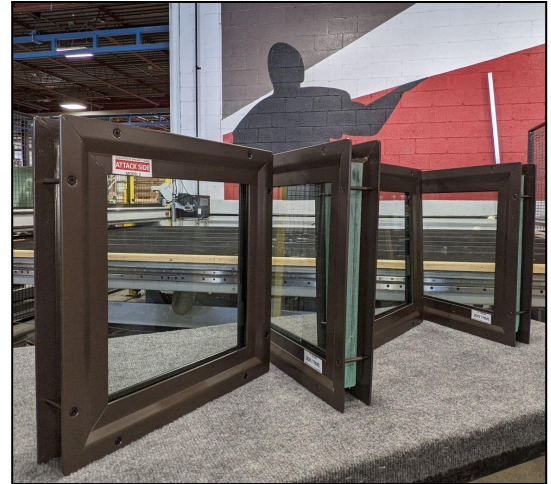
Glassopolis offers a wide range of security glass. Whether your goal is bullet resistance, blast resistance, forced entry protection, windstorm protection or other, we have a solution for you. Let us know what you are looking for. We can help.

Protect-BR3 is a special high performance bullet-resisting glass.

- UL 752 Level 3, including spall protection (.44 Magnum)
- Max Size: 70-7/8" x 94-1/2"
- Thickness: 1-1/2" (38mm)
- Weight: 18 lbs/ft<sup>2</sup>

### FEATURES

- Quick ship. Get it in days!
- Does not contain polycarbonate which can discolor, get scratched or de-laminate
- Features replaceable spall protection film
- Steel vision lite door kits available
- Designed for use in similarly rated door and window assemblies



### ANSI/UL 752 Standard for Bullet Resisting Equipment

The ANSI/UL 752 standard is used to determine the bullet resistance of building components, such as windows and doors made out of bullet resistant materials. This glass has been tested independently to comply with the ballistic elements of the indicated test standard in a specific steel frame and should be used in fully tested window and door assemblies. Steel vision lite door kits are available from Glassopolis.

UL 752 BULLET RESISTING EQUIPMENT - BALLISTIC TEST LEVELS						
THREAT LEVEL	WEAPON CALIBER TEST AMMUNITION	BULLET WEIGHT	VELOCITY (MIN FPS)	VELOCITY (MAX FPS)	VELOCITY MPS	NUMBER of SHOTS
Level 1	9 mm Full Metal Copper Jacket with Lead Core	124 (8.0g)	1175	1293	358	3
Level 2	.357 Magnum Lead Jacketed Soft Point	158 (10.2g)	1250	1375	381	3
Level 3	.44 Magnum Lead Semi Wadcutter Gas Checked	240 (15.6g)	1350	1485	411	3

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## STORAGE & HANDLING

Glass should be stored upright and separated by suitable materials such as corks. The bottom edge must be supported along its entire length. Rest glass on soft materials, such as a rubber, to prevent the lower edge from chipping. Must be stored in dry locations and should not be exposed to direct sunlight under any circumstances. Protect the edges of the glass from damage and moisture.

## INSTALLATION

Bullet resisting glass must always be installed in accordance with current standards and regulations. Glazing should always be installed in frames of an equivalent performance rating. We recommend that entire assemblies be performance tested. Can be used in insulated glazing units. For bullet resisting glass with surface applied spall protection film, ensure that the film side is not exposed to direct sunlight and is glazed towards the interior of the building. Do not use in extremely humid conditions such as saunas, heated pools etc which would require additional evaluation and precautions. Dimensional tolerances on processed glass are +/- 1/8" in height and width. Thick laminated glass can have some variation in color due to the number of materials used and a limited number of bubbles, inclusions or flaws are considered acceptable; see acceptance specification for details.

## MAINTENANCE & CARE

To maintain the aesthetics, it is important to keep the lite clean. A soft, clean, non-abrasive cloth and a mild soap, detergent, or non-abrasive window cleaning solution is suitable for cleaning. After cleaning, rinse immediately with clean water and remove any excess water from the lite surface. Do not allow any metal or hard parts of the cleaning equipment to come in contact with the lite surface. Take extra care of the spall protection surface film, as it can be scratched or discolored by non-glass cleaners.

Failure to comply with any of the Labeling, Storage & Handling, Installation, and/or Maintenance & Care guidelines may result in a loss of warranty.

@PROTECT-BR3 is a registered trademark of Proscience Inc.

**PROTECT-BR3**  
BULLET RESISTING to UL 752 Level 3

GLASSOPOLIS

70<sup>7/8</sup>" x 94<sup>1/2</sup>"

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for bullet resistant glass

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