



## ARMOR-GARD® SP820



## Innovative glazing solutions for ballistic protection

### PRODUCT DESCRIPTION

ARMOR-GARD® SP820 GLASS-CLAD POLYCARBONATE GLAZING HAS BEEN TESTED IN ACCORDANCE WITH UL 752 LEVEL 8 BALLISTICS REQUIREMENTS.

### TECHNICAL DATA

- Nominal Thickness: 2.072"
- Thickness Tolerance: 1.912" / 2.228"
- Weight: 22.34 lbs per SF
- Available Sizes:
  - 12" x 12" Minimum
  - 60" x 96" Maximum
- Light Transmittance: 61%
- U-Value: .60
- SHGC: .56
- Tinted glass, translucent interlayers, transparent mirror, Low Iron glass

### APPLICABLE STANDARDS

- ASTM C 1036
- ASTM C 1048
- ASTM C 1349

### PERFORMANCE

- 5 shots .762mm Rifle Lead Core Full Metal Copper Jacket Military Ball (.308 Caliber)
- Tested at NTS-Chesapeake Testing in accordance with UL 752 Level 8 requirements
- No Spall, No Penetration

### GUIDE SPECIFICATION

Ballistic resistant glass where shown shall be Insulgard's ARMOR-GARD® SP820 glass-clad polycarbonate. Each unit for glass type \_\_\_\_\_ shall be ARMOR-GARD® SP820. This product is designed for applications where ballistics performance is primary and optical characteristics are secondary. Protected side of window is a mar-resistant polycarbonate with threat side a glass surface.

### INSTALLATION

When used for ballistic protection, glazing should be installed in a UL Level 8 Bullet Resistant frame system. Holes must be covered with a UL listed device. All glazing should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.

Recommended Clearance:

- Face: 1/8" per side
- Edge: 3/8"
- Bite: 1"

### MAINTENANCE

ARMOR-GARD® glazing is a glass-clad polycarbonate that includes an exposed polycarbonate (plastic) on the interior surface of the makeup. It is **very important** to follow maintenance and cleaning instructions closely. To ensure the polycarbonate is not damaged, only approved cleaners and cleaning methods should be used. For complete maintenance and cleaning instructions, please contact Insulgard Security Products.