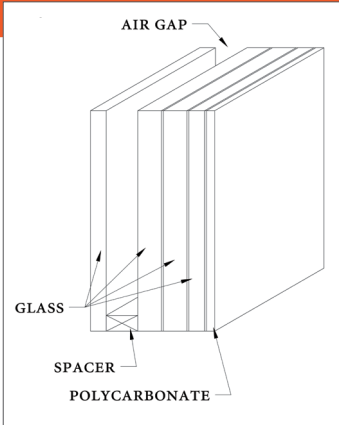




**BULLETBLOCK**  
BULLET RESISTANT WINDOWS, DOORS & GLAZING  
BY INSULGARD

## ARMOR-GARD® SP412IG



## Innovative glazing solutions for ballistic protection

### PRODUCT DESCRIPTION

ARMOR-GARD® SP412IG INSULATED GLASS-CLAD POLYCARBONATE GLAZING HAS BEEN TESTED AND CERTIFIED TO MEET UL 752 LEVEL 4 BALLISTICS PERFORMANCE.

### TECHNICAL DATA

- Nominal Thickness: 1.954"
- Thickness Tolerance: 1.853" / 2.051"
- Weight: 17.719 lbs per SF
- Available Sizes: Up to 60" x 96"
- Dimensional Tolerance: +/- .250"
- Light Transmittance: .67
- U-Value: .42
- SHGC: .60

### APPLICABLE STANDARDS

- ANSI Z97.1
- CPSC 16 CFR 1201 (Category I and II)
- ASTM C 1036
- ASTM C 1349

### PERFORMANCE

- UL 752 – Level 4 – UL Listed BP844
- .30 Caliber Rifle Lead Core Soft Point (.30-06 Caliber)
- No Spall, No Penetration

### GUIDE SPECIFICATION

Ballistic resistant glass where shown shall be Insulgard's ARMOR-GARD® SP412IG glass-clad polycarbonate. 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

Glass must be installed in a UL Level 4 Bullet Resistant frame system. Holes must be covered with a UL listed device. All glass 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.

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