

**FORCED ENTRY  
AND BALLISTIC  
UL752 LEVEL 2**

## AP-Series — **AP100BR-2**

— **No Spall**

### PRODUCT DESCRIPTION

ArmorPlast® (AP-Series) products are manufactured with our industry-leading resins for exceptional ballistic and forced entry impact resistance.

Years of field experience and laboratory testing has resulted in the AP Series product line. Our premium ballistic barrier satisfies both security and aesthetic requirements.

The high optical clarity and shatter resistance ensures that visibility can be maintained for surveillance or visual confirmation, even during a severe attack.

With glass-like transparency, extreme durability, and an extended service life due to our special UV coatings, AP-Series products are the perfect solution for light weight security window and door retrofits.



### BALLISTIC GLAZING (UL 752 LEVEL 2)

AP-Series AP100-BR2 ballistic grade sheet is a 1.000", 4-ply polycarbonate sheet that meets the UL 752 Level 2 rating for .357 Magnum 158 grain ballistic attack. Unlike glass-clad products, this all-polycarbonate laminate resists spalling and white-out after repeated high force and ballistic impacts, an advantage in maintaining visibility of a threat during an attack.

All AP-Series products incorporate polycarbonate sheet produced for high optical clarity in security glazing laminates. Interior and exterior surfaces have a proprietary AR (abrasion resistant) hard coat that facilitates cleaning and resists marring, chemical attack, and graffiti.

AP100-BR2 sheet has a seven (7) year Limited Product Warranty against coating failure, yellowing, and hazing.

#### TYPICAL PROPERTIES

THICKNESS	1.05" $\pm$ 5%	SHADING COEFFICIENT	0.85
WEIGHT	6.5 LBS/SQ FT	LIGHT TRANSMISSION	72%
U-VALUE	0.60		

#### RATINGS

##### FORCED ENTRY AND CONTAINMENT

- ASTM F 1233.08 Class 5 Body Passage
- ASTM F 1233.08 Class 2.4 Contraband Passage
- ASTM F 1915.03 Grade 1
- H.P. White TP 0500.03 Level IV Sequence 43
- UL 972: Burglary Resistant Glazing Materials

##### BALLISTIC

UL 752 Level 2  
.357 Magnum 158 Grain  
jacketed lead soft point



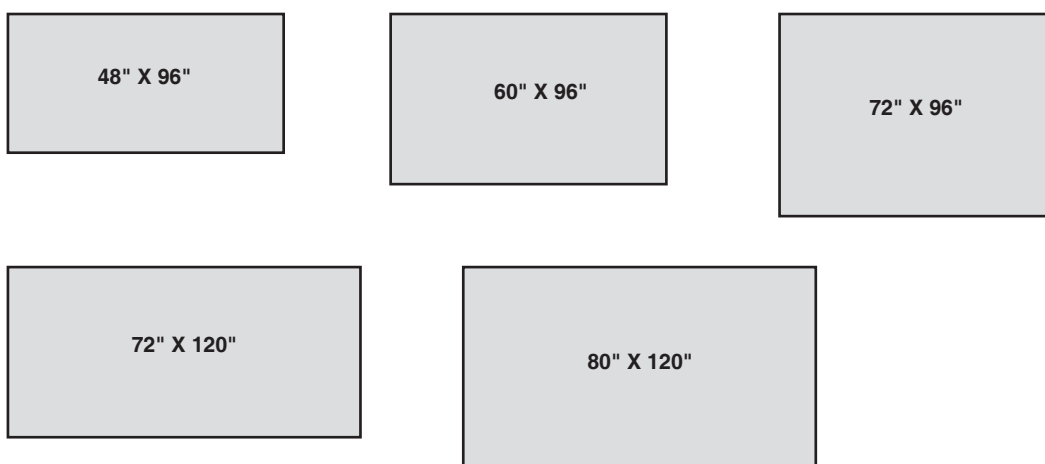
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# AP-Series Polycarbonate Security Panels

## GLAZING RECOMMENDATIONS

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings to the selected AP-Series security are recommended.
- AP-Series panels should be sized to allow for a minimum of one 1" edge engagement in the frame.
- Use wet or dry sealants compatible polycarbonates.
- Remove protective masking after glazing operations are completed and before prolonged exposure to direct sunlight, moisture or high temperature.

## STANDARD STOCK SIZES\*



\*Additional Sizes may be available upon special request.

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Buyer acknowledges although components of the Riot Glass, LLC products may contain specific ratings, including ballistics-grade products, such tests were performed in laboratory conditions, in a controlled environment, and only related as a specific component of the overall system. Buyer acknowledges Buyer is purchasing an installed system comprising of multiple components which have been rated, tested, or approved for varying performance levels including ballistics, or fitness of a particular purpose, including but not limited to preventing intrusion by any or limited means. Furthermore, neither Riot Glass, LLC nor its Authorized Dealers can guarantee the installed system will provide the necessary protection to Buyer's property due to the variance of the environment from laboratory conditions. Riot Glass, LLC specifically disclaims any implied warranties, including fitness for a particular purpose and merchantability, and advises Buyer to conduct its own research to determine the best solution for Buyer's unique situation.

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