

FORCED ENTRY AND LIGHT BALLISTIC

AP-Series

AP50-BR

Low Spall



PRODUCT DESCRIPTION

ArmorPlast® products are manufactured with our industry-leading resins for exceptional forced entry impact resistance.

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

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.

LIGHT BALLISTIC & CONTAINMENT GLAZING

AP-Series AP50-BR light ballistic grade sheet is a 1/2" polycarbonate laminate that is tested to ASTM F 3038, ASTM F 1915, ASTM F 1233, and H.P. White TP 0500. Unlike glass-clad products, this all-polycarbonate laminate resists spalling and white-out after repeated high force and ballistic impacts.

All AP-Series polycarbonate products are engineered for high optical clarity. Interior and exterior surfaces have a proprietary AR hard coat that facilitates cleaning and resists marring, chemical attack, and graffiti.

AP50-BR sheet has a seven (7) year Limited Product Warranty against coating failure, yellowing, and hazing.

TYPICAL PROPERTIES

THICKNESS	0.522" ± 5%	SHADING COEFFICIENT	0.90
WEIGHT	3.3 LBS/SQ FT	LIGHT TRANSMISSION	83%
U-VALUE	0.74		

RATINGS

FORCED ENTRY & CONTAINMENT

- ASTM F 1233 Class 1.5 (contraband passage)
- ASTM F 1233 Class 3.2 (body passage)
- ASTM F 3038 15 Minutes
- ASTM F 1915 Grade 1
- H.P. White TP 0500 Level 1 Sequence 15
- UL 972: Burglary Resistant Glazing Materials

BALLISTIC

- ASTM F 1233, Class HG1 .38 Special LRN

SAFETY

- Combustibility Class CC1

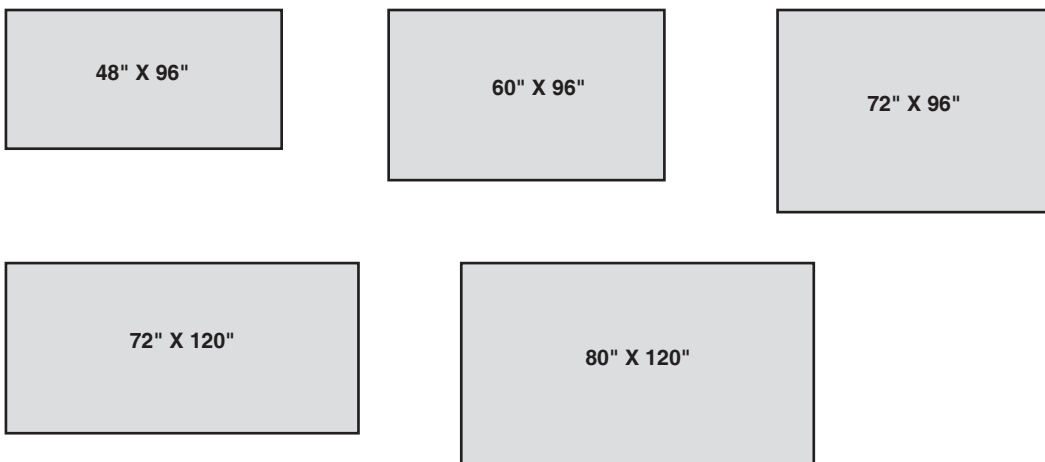


AP-Series Polycarbonate Security Panels

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 3/4" 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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