



ArmorPlast™75 Sheet Construction

1/8" AR-1 Sheet

1/2" Acrylic Sheet

Interlayer Bond



ArmorPlast™75 Sheet

BALLISTIC GLAZING - LEVEL 1

ArmorPlast™ 75 ballistic grade sheet is a 0.750", 3-ply polycarbonate and acrylic laminate that meets the UL 752 Level 1 rating for 9mm ballistic attack. All ArmorPlast™ products incorporate Polycarbonate Sheet produced for high optical quality in security glazing laminates. Exterior surfaces have a proprietary AR hard coat that facilitates cleaning and resists marring, chemical, and graffiti attack. ArmorPlast™75 sheet has a five (5) year Limited Product Warranty against coating failure, yellowing, and hazing. The terms of the warranty are available upon request.

APPLICATIONS:

Government and detention facilities, banks, specialty retailers, 24 hour convenience stores, schools, religious facilities.

TYPICAL PROPERTIES*

PROPERTY	VALUES
GAUGE / TOLERANCE	0.780 IN ± 5%
WEIGHT	5.1 LBS / SQ FT
SHADING COEFFICIENT	0.89
U-VALUE	0.65
LIGHT TRANSMISSION	88%

*Typical properties are not intended for specification purposes

PRODUCT PERFORMANCE RATINGS

BALLISTIC

UL 752 Level 1 (9mm Full Metal Copper Jacket with lead)

AGENCY INFORMATION

UL File: BP6864

Combustibility Class CC2

Miami-Dade NOA #15-1014.01

Florida Building Code 2014





ArmorPlast™ 75 Sheet

GLAZING RECOMMENDATIONS

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected ArmorPlast™ laminate are recommended.
- ArmorPlast™ laminate should be cut to allow for a minimum of one (1) inch edge engagement in the frame, with sufficient rabbet depth for material expansion (approx. 1/16"ft.).
- Use wet or dry sealants/gaskets that are compatible with polycarbonate.
- Remove protective masking after glazing operations are completed and before prolonged exposure to direct sunlight, moisture, or high temperature.

STANDARD SHEET SIZE

48" x 60" • 48" x 72" • 38" x 78" • 38" x 96" • 48" x 96" • 60" x 72" • 60" x 96"

PRODUCT SPECIFICATIONS

ArmorPlast™75 polycarbonate and acrylic laminate:

- Three-ply, clear Polycarbonate Sheet constructed as follows:
 - 1/8" AR-1 abrasion resistant surface
 - Polyurethane bonding interlayer
 - 1/2" acrylic sheet
 - Polyurethane bonding interlayer
 - 1/8" AR-1 abrasion resistant surface

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