

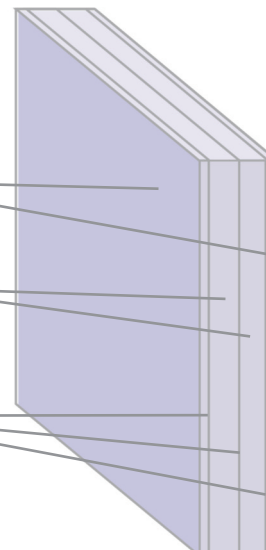


### ArmorPlast™ 100 Sheet Construction

1/8" AR-1 Sheet

3/8" Polycarbonate Sheet

Interlayer Bond



# ArmorPlast™ 100 Sheet

## BALLISTIC GLAZING - LEVEL 2

ArmorPlast™ 100 ballistic grade sheet is a 1.000", 4-ply polycarbonate laminate that meets the UL 752 Level 2 rating for .357 Magnum ballistic attack and HP White TP 0500 Level IV. 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 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 attack, and graffiti. ArmorPlast™ 100 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	1.05 IN ± 5%
WEIGHT	6.5 LBS / SQ FT
SHADING COEFFICIENT	0.85
U-VALUE	0.60
LIGHT TRANSMISSION	72%

\*Typical properties are not intended for specification purposes

## PRODUCT PERFORMANCE RATINGS

### BALLISTIC

UL 752 Level 2 (.357 Magnum jacketed lead soft point)

### FORCED ENTRY & 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

### AGENCY INFORMATION

UL File: BP6864

Combustibility Class CC1

Miami-Dade NOA 12-0605.05





# ArmorPlast™ 100 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 SPECIFICATION

ArmorPlast™ BR1000 polycarbonate laminate:

- Four-ply, Polycarbonate Sheet constructed as follows:
  - 1/8" AR-1 abrasion resistant surface
  - Polyurethane bonding interlayer
  - 3/8" Polycarbonate Sheet
  - Polyurethane bonding interlayer
  - 3/8" Polycarbonate Sheet
  - Polyurethane bonding interlayer
  - 1/8" AR-1 abrasion resistant surface

The manner in which you use and the purpose to which you put and utilize our products, technical assistance, and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information, and recommendations to determine to your own satisfaction whether our products, technical assistance, and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Riot Glass.

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