



# Hygard® BR750 sheet

## Ballistic glazing - Level 1

Hygard® BR750 ballistic grade sheet is a 0.750", 3-ply polycarbonate and acrylic laminate that meets the UL 752 Level 1 rating for 9 mm ballistic attack. All Hygard products incorporate Makrolon® polycarbonate sheet produced for high optical quality in security glazing laminates. Exterior surfaces have a proprietary Makrolon AR hardcoat that facilitates cleaning and resists marring, chemical, and graffiti attack. Hygard BR750 sheet has a seven (7) year Limited Product Warranty against coating failure, yellowing, and hazing. The terms of the warranty are available upon request.

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
<p><b>BALLISTIC</b> UL 752 Level 1 (9 mm Full Metal Copper Jacket with lead)</p>
<p><b>AGENCY INFORMATION</b> UL File: BP6864 Combustibility Class CC2 Miami-Dade NOA #15-1014.01 Florida Building Code 2014</p>

## Applications

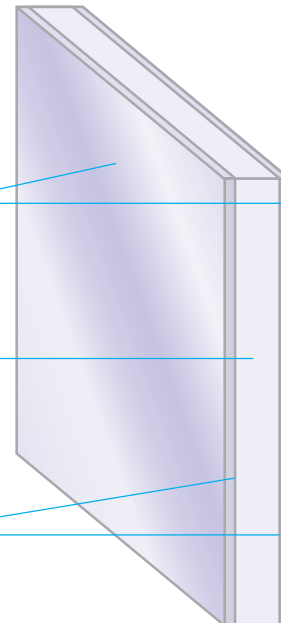
Government and detention facilities, banks, specialty retailers, 24 hour convenience stores, cash transaction windows

### Hygard® BR750 Sheet Construction

1/8" Makrolon® AR-1 Sheet

1/2" Acrylic Sheet

Interlayer Bond



# Hygard® BR750 sheet

## Glazing recommendations

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected Hygard laminate are recommended
- Hygard 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

Hygard BR750 polycarbonate and acrylic laminate:

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



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