

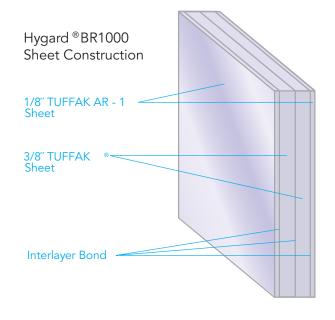
Hygard BR1000 PRODUCT DETAILS

Ballistic Glazing - Level 2 Hygard BR 1000 ballastic 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 Hygard products incorporate Tuffak polycarbonate sheet produced for high optical quality in security glazing laminates. Exterior surfaces have a proprietary Tuffak AR hardcoat that facilitates cleaning and resists marring, chemical attack, and graffiti. Hygard BR1000 sheet has a seven year Limited Product Warranty against coating failure, yellowing, and hazing. The terms of the warranty are available upon request.

Typical Properties*PropertyValuesGauge / Tolerance1.05 in ± 5%Weight6.5 lbs / sq ftShading Coefficient0.85U-Value0.60Light Transmission72%

*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 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 Magnum Jacketed lead soft point)



APPLICATIONS

Government and detention facilities, banks, heavy equipment glazing, specialty retailers, 24 hour convenience stores, cash transaction windows.



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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 1"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

Glazing Recommendations

Standard Sheet Size 48" x 60", 48" x 72", 38"x96", 48"x96", 60"x72", 60"x96"

Product Specification

Hygard BR1000 polycarbonate laminate. Four-ply, clear Tuffak polycarbonate sheet constructed as follows:

- 1/8" Tuffak AR-1 abrasion resistant surface
- Polyurethane bonding interlayer
- 3/8" Tuffak polycarbonate sheet
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