

Hygard® CG750 sheet

Containment grade

Hygard® CG750 containment grade sheet is a 0.750" thick, 3-ply polycarbonate laminate that meets ASTM F 1233 Class III and HP White TP 0500.03 Level B Ballistics (9 mm Luger). 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 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 attack, and graffiti. Hygard CG750 sheet has a seven (7) year Limited Product Warranty against coating failure, yellowing, and hazing. The terms of the warranty are available upon request.

Applications

Security doors, windows, jails, detention centers, psychiatric hospitals, reception areas, convenience stores, check cashing

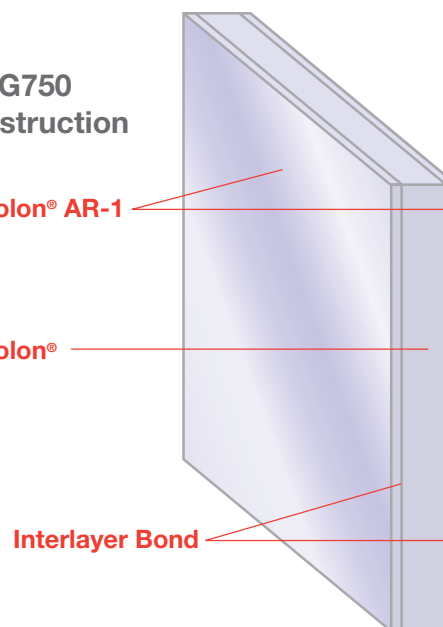
Typical Properties*	
Property	Values
Gauge / Tolerance	0.780 in +/- 5%
Weight	4.9 lbs / sq ft
Shading Coefficient**	0.87
U-Value**	summer/winter 0.65/0.65 Btu/hr-ft ² -°F
Light Transmission	77%

*Typical properties are not intended for specification purposes

**1989 ASHRAE conditions

Product Performance Ratings
BALLISTIC H.P. White TP 0500.03, Level B, 9 mm Luger
FORCED ENTRY & CONTAINMENT ASTM F 1233.98 Class III Paragraphs 9.2.4.1 & 9.2.4.2 ASTM F 1915.03 Grade 1 H.P. White TP 0500.03 Level II Sequence 26
AGENCY INFORMATION Combustibility Class CC1 Miami-Dade NOA 10-0329.03

Hygard® CG750 Sheet Construction



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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 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 96"

Product specification

Hygard CG750 polycarbonate laminate:

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



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