



# Hygard® CG375 sheet

## Containment grade

Hygard® CG375 containment grade sheet is a 0.375", 2-ply polycarbonate laminate that meets ASTM F 1915 and HP White TP 0500. Unlike glass-clad products, this all-polycarbonate laminate resists spalling and white-out after repeated high force 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 CG375 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

Jails, detention centers, psychiatric hospitals, reception areas, convenience stores, check cashing

Typical Properties*	
Property	Values
Gauge / Tolerance	0.390 in ± 5%
Weight	2.4 lbs / sq ft
Shading Coefficient	0.92
U-Value	0.84
Light Transmission	88%

\*Typical properties are not intended for specification purposes

Product Performance Ratings
<p><b>FORCED ENTRY &amp; CONTAINMENT</b>            ASTM F 1233.08 Class 1.4 Contraband Passage            ASTM F 1233.08 Class 2.8 Body Passage            ASTM F 1915.03 Grade 3            H.P. White TP 0500.03 Level 1 Sequence 15</p>
<p><b>AGENCY INFORMATION</b>            Combustibility Class CC1            Miami-Dade NOA 12-0605.05</p>

## Hygard® CG375 Sheet Construction

3/16" Makrolon® AR-1 Sheet

Interlayer Bond



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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

38" x 96", 48" x 96", 60" x 96"

## Product specification

Hygard CG375 polycarbonate laminate:

- Two-ply, clear Makrolon® polycarbonate sheet constructed as follows:
  - 3/16" Makrolon AR-1 abrasion resistant surface
  - Polyurethane bonding interlayer
  - 3/16" Makrolon AR-1 abrasion resistant surface

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