

Makrolon Hygard CG375 Product Details

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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

FORCED ENTRY & CONTAINMENT

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

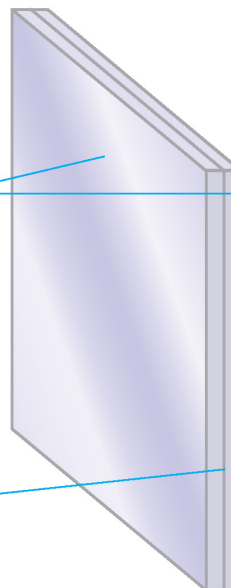
AGENCY INFORMATION

Combustibility Class CC1
Miami-Dade NOA 12-0605.05

Hygard® CG375 Sheet Construction

3/16" Makrolon® AR-1 Sheet

Interlayer Bond



HYGARD®
CG375

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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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