



Hygard® CG375 sheet

Containment grade

Hygard® CG375 containment grade sheet is a 0.375", 2-ply polycarbonate laminate that is tested to ASTM F 1915, ASTM F 1233 and H.P. 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, delamination, yellowing, and hazing. The terms of the warranty are available upon request.

Applications

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

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

BALLISTIC

H.P. White TP 0500.03, Level A
ASTM F 1233, Class HG1 .38 Special LRN

FORCED ENTRY & CONTAINMENT

ASTM F 1233 Class 1.5 Contraband Passage
ASTM F 1233 Class 2.8 Body Passage
ASTM F 1915 Grade 3
H.P. White TP 0500 Level 1 Sequence 15

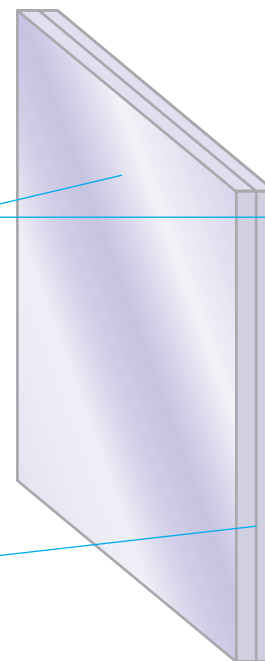
AGENCY INFORMATION

Combustibility Class CC1
Florida Building Code 2017, 6th Ed.
[Miami-Dade NOA: NOA](#)

Hygard® CG375 Sheet Construction

3/16" Makrolon® AR-1 Sheet

Bonding Interlayer



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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
- See glazing details on sheets.covestro.com

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

wash away surface residue, grit and grime.

- Using a soft microfiber cloth or moist non-abrasive sponge, gently wash with a mild diluted soap or detergent.
- Rinse thoroughly with lukewarm, clean water. To prevent water spots, thoroughly dry the glazing with a dry soft cloth.

Tech tip:

The edges of coated polycarbonate sheet are not protected with an abrasion and chemical resistant hard coating. Do not allow cleaning solutions and solvents to pool along the edges for any length of time. Always rinse edges thoroughly with generous amounts of lukewarm clean water.

