

# TUFFAK HYGARD CG375 PRODUCT DESCRIPTION

## CONTAINMENT GRADE

Hygard CG375 containment grade sheet is a .375", 2-ply polycarbonate laminate that meets ASTM 1915 and HP White TP 0500. Unlike glass-clad products, this all-polycarbonate laminate resists spalling and white-out after repeat high force 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 hard coat that facilitates cleaning and resists marring, chemical attack, and graffiti. Hygard CG375 sheet has a seven 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

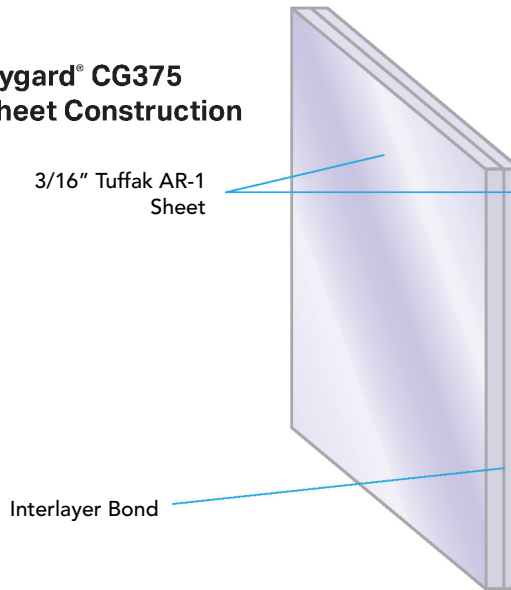
### FORCED ENTRY & CONTAINMENT

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



## 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.

## STANDARD SHEET SIZE

38"x96", 48"x96", 60"x96"

## PRODUCT SPECIFICATION

Hygard CG375 polycarbonate laminate:

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