

**MAKROLON<sup>®</sup> HYGARD CG750 Sheet**

**Containment Glazing**

MAKROLON HYGARD CG750 is a 3- ply laminate sheet designed for the high demands of containment and forced entry applications. This product features a coating that provides resistance to abrasion, UV, chemical attack and graffiti. MAKROLON CG750 has been tested to the following standards: ASTM F1915, ASTM F1233, HP White TP 0500. MAKROLON HYGARD CG750 has a seven (7) year Limited Product Warranty against coating failure, yellowing and hazing. The terms of the warranty are available upon request.

**Applications**

Installations include jails, detention centers, psychiatric hospitals, reception areas, convenience stores, check cashing windows

<b>Gauge/Tolerance</b>	<b>.780 in +/- 5%</b>
<b>Weight</b>	<b>4.9 lbs / sq ft</b>
<b>Shading Coefficient</b>	<b>.87</b>
<b>U Value</b>	<b>.65</b>
<b>Light Transmittance</b>	<b>77%</b>

**Product Performance Ratings**

**Ballistic**

H.P. White TP 0500-03, Level A ,9mm ( shots)

**Forced Entry & Containment**

H.P. White TP 0500-03, Level II, Sequence 26

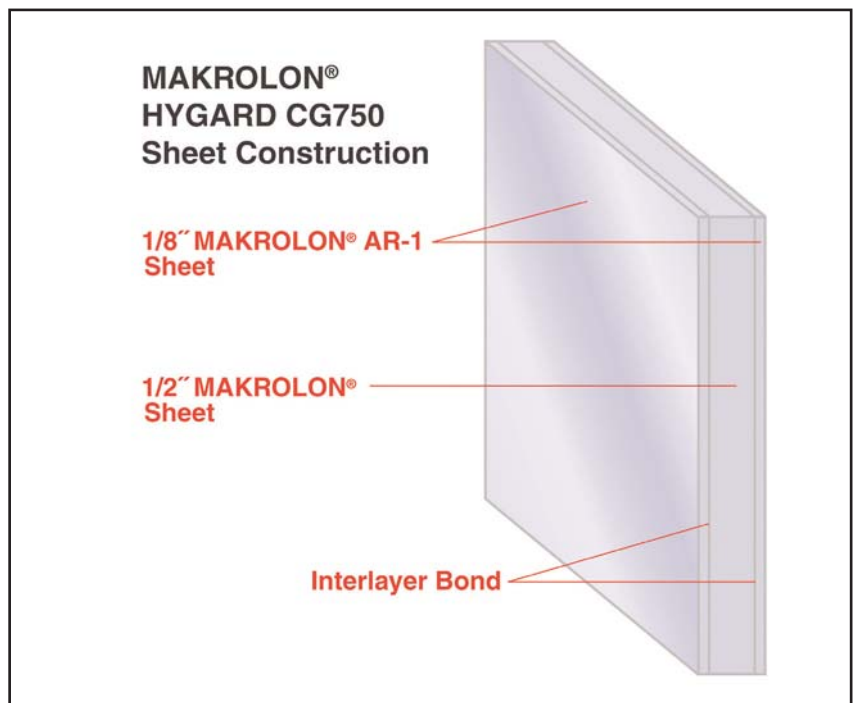
ASTM F1915-03, Grade 1

ASTM F1233-98, Class III, Paragraphs 9.2.4.1 & 9.2.4.2

**Agency Information**

Combustibility Class CC1

Miami- Dade NOA 10-0329.03



# Product Data

## MAKROLON® HYGARD CG750 Sheet

### Glazing Information

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected MAKROLON HYGARD laminate are recommended.
- MAKROLON 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

**MAKROLON 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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