

MAKROLON® HYGARD CG500 Sheet

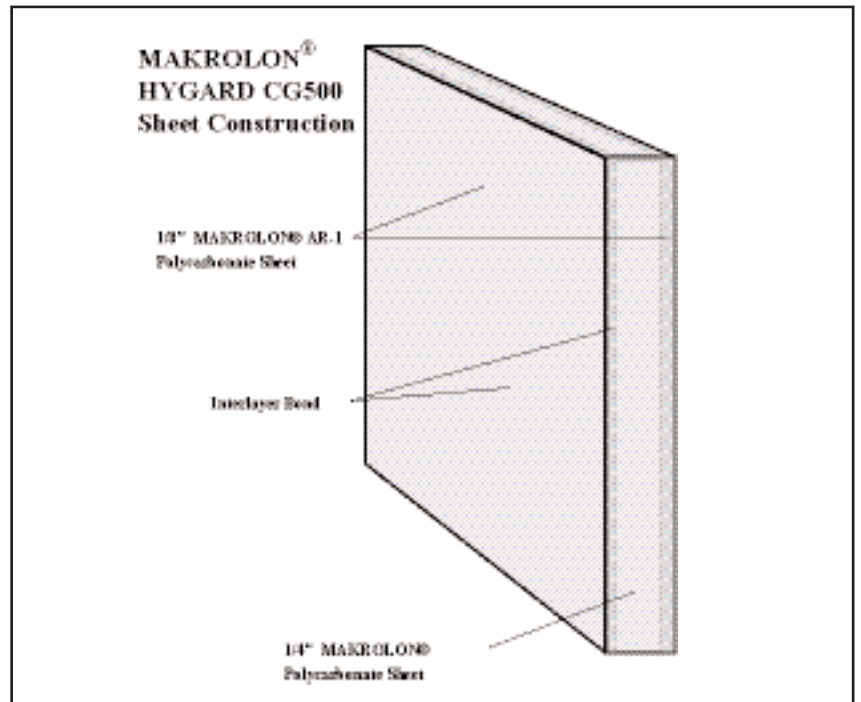
Containment Glazing

MAKROLON HYGARD CG500 Sheet is a three-ply laminate that satisfies the requirements of ASTM F1915- 60 minute attack rating. Constructed of polycarbonate sheets the laminate also features an abrasion and UV resistant coating for extended service life in harsh environments.

Applications

Jails, detention centers, psychiatric hospitals for protection against forced entry.

Gauge/Tolerance	.530 in +/- 5%
Weight	3.3 lbs / sq ft
Shading Coefficient	.90
Light Transmittance	83%
Sheet Size	Standard: 38" x 96" 48" x 96" 60" x 96"



ICC
 Combustability Class CC1
 Forced Entry and Ballistic Rating
 H.P.White TP
 H.P. White TP 0500.01 Level A Ballistics (9mm)
 ASTM F1233 Class III Step 15
 ASTM F1915 Grade 1

Product Data

MAKROLON® HYGARD CG500 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.

Product Specification

MAKROLON HYGARD CG500 polycarbonate laminate:

Three-ply, clear MAKROLON polycarbonate sheet constructed as follows:

- 1/8" MAKROLON® AR-1 abrasion resistant surface
- Polyurethane bonding interlayer
- 1/4" MAKROLON polycarbonate sheet
- Polyurethane bonding interlayer
- 1/8" MAKROLON AR-1 abrasion resistant surface

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