

## Containment Glazing

MAKROLON AR500 monolithic polycarbonate sheet is 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 AR500 has been tested to the following standards: ASTM F1915, ASTM F1233 and HPW TP 0500. MAKROLON AR500 has a seven (7) year Limited Product Warranty against coating failure, hazing and yellowing. The terms of the warranty are available upon request.

## Applications

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

<b>Gauge/Tolerance</b>	<b>.500 in +/- 5%</b>
<b>Weight</b>	<b>3.12 lbs / sq ft</b>
<b>Shading Coefficient</b>	<b>.90</b>
<b>U Value</b>	<b>.82</b>
<b>Light Transmittance</b>	<b>83%</b>

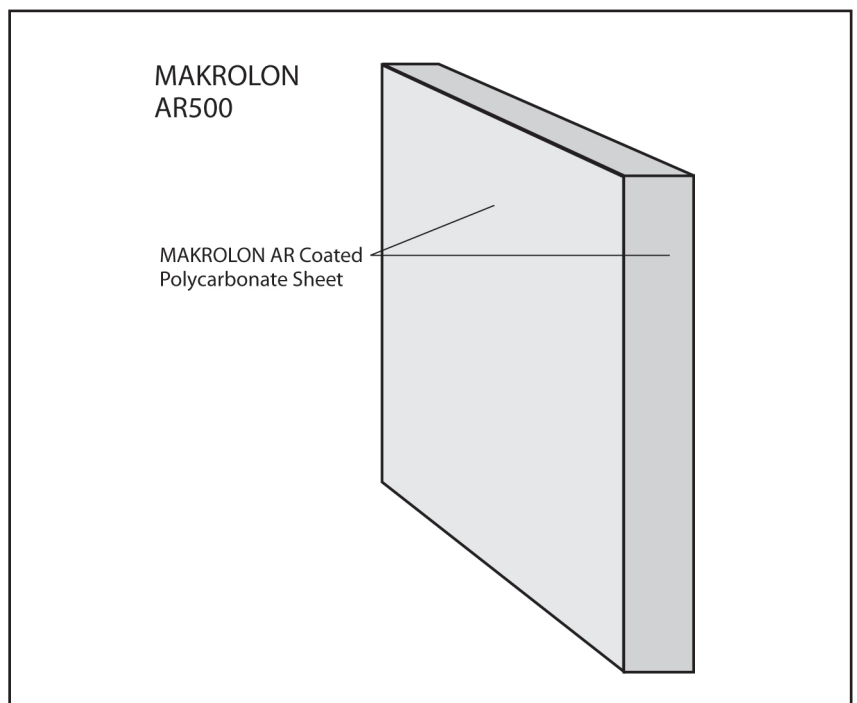
## Product Performance Ratings

### Forced Entry & Containment

H.P. White TP 0500  
 ASTM F1915 Grade 3  
 ASTM F1233

### Agency Information

Combustibility Class CC1



# Product Data

## MAKROLON® AR500 Sheet

### Glazing Information

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected MAKROLON AR500 sheet are recommended.
- MAKROLON AR500 sheet 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 AR500** polycarbonate sheet:

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

- .500 MAKROLON® AR-2 abrasion resistant surface

### Standard Sheet Size

48" x 96", 60" x 96", 72" x 96"

### Disclaimer

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

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