



PRODUCT DATA SHEET

SMARTGARD SECURITY GLAZING GCP0716

PRODUCT #: GCP0716

DESCRIPTION:

A three-ply symmetrical glass clad polycarbonate composite of two 1/8" layers of clear or tinted glass (annealed or heat-strengthened), clear adhesive interlayers, and a high quality 1/8" MAKROLON® polycarbonate sheet core. Ideal glazing for detention and containment applications requiring glass surfaces.

FEATURES:

- Attack resistant (10min)
- Ballistic low spall
- Glass on interior and exterior surfaces

CONSTRUCTION:	PERFORMANCE DATA:										
<p><i>Attack side / Outboard / Exterior</i></p> <p>.125" Annealed or Heat-Strengthened Glass**</p> <p>.050" Bonding Interlayer</p> <p>.118" Uncoated Polycarbonate Sheet</p> <p>.050" Bonding Interlayer</p> <p>.125" Annealed or Heat-Strengthened Glass**</p> <p><i>Protection side / Inboard / Interior</i></p>	<p>Max Dimension: 60" x 96" (standard) (larger sizes may be available – contact us)</p> <p>Nominal Thickness: 0.468"</p> <p>Thickness Tolerance: 0.452" to 0.484"</p> <p>Weight: 4.61 Lbs. / Square Foot</p> <p>Attack Rating: 10-minute attack</p> <p>Ballistic Rating: .38 special – 1 shot No bullet penetration / Spall only</p> <table border="1"> <thead> <tr> <th>U-VALUE</th> <th>SHGC</th> <th>VISUAL LIGHT TRANS.</th> <th>SHADING COEFFICIENT</th> <th>RELATIVE HEAT GAIN</th> </tr> </thead> <tbody> <tr> <td>.89</td> <td>.74</td> <td>.86</td> <td>.85</td> <td>181.52</td> </tr> </tbody> </table> <p><small>*Calculated using LBL Window Software v7.6.4</small></p>	U-VALUE	SHGC	VISUAL LIGHT TRANS.	SHADING COEFFICIENT	RELATIVE HEAT GAIN	.89	.74	.86	.85	181.52
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COMPLIANCES:

- ASTM C1036 – Standard Specification – Flat Glass
- ASTM C1172 – Standard Specification for Laminated Architectural Flat Glass
- ASTM C1349 – Standard Specification-Flat Glass Clad PC
- ANSI Z97.1 - Safety Materials Used in Buildings
- Made from UL 972 Listed Polycarbonate Sheet

INSTALLATION SPECIFICATIONS:

AIT strongly suggests the use of a suitable structural security framing with an appropriate protection rating. Allow for a minimum of a (1) inch edge engagement in the frame with sufficient rabbet depth to allow for expansion (approximately 1/16"/FT). Only use sealants and gaskets that are compatible with polycarbonate. Remove protective masking when installation is complete and before prolonged exposure to sunlight, weather, and moisture.

ADD-ON OPTIONS & ADDITIONAL INFO:

Some additional combination options may include:

- Insulated glass units with air or argon gas fills
- Various low-e coatings
- Varied thicknesses
- Tinted glass
- Textured glass
- Mirropane one-way mirror
- Spandrel glass
- Colored Interlayers
- Logos or signage in glass
- Fire rated glass
- Smart Glass – instantly switchable privacy glass
- Smart Designs - decorative options inside glass
- Custom designs & make-ups

Contact an AIT representative for all possible options, or custom makeups.

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MANUFACTURED BY:

THE AIT GROUP

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