



PRODUCT DATA SHEET

SMARTGARD SECURITY GLAZING

CP375

3/8" CONTAINMENT GRADE POLYCARBONATE COMPOSITE

PRODUCT #: CP375

DESCRIPTION:

A two-ply laminate composite constructed with polycarbonate core layers bonded together with adhesive interlayers. The exposed surface on the interior and exterior is an abrasion polycarbonate.

FEATURES:

- Attack resistant
- Ballistic
- Abrasion resistant surfaces

CONSTRUCTION:	PERFORMANCE DATA:										
<i>Attack side / Outboard / Exterior</i>	Max Dimension: 72" x 96" (standard)										
	Thickness: Nominal: 3/8" • Actual: 0.379"										
	Thickness Tolerance: 0.366" to 0.392										
	Weight: 2.40 Lbs. / Square Foot										
.177" Polycarbonate Layer (Abrasion resistant)	Forced Entry & Containment Rating: ASTM F1915 Grade 3 (20 min attack) HP White TP-0500.03 Level 2 Step 15 WMFL Level III (30 min attack)										
.025" Urethane Bonding Interlayer											
.177" Polycarbonate Layer (Abrasion resistant)											
	<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>.84</td> <td>.81</td> <td>.83</td> <td>.93</td> <td>196.12</td> </tr> </tbody> </table>	U-VALUE	SHGC	VISUAL LIGHT TRANS.	SHADING COEFFICIENT	RELATIVE HEAT GAIN	.84	.81	.83	.93	196.12
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<i>Protection side / Inboard / Interior</i>	<i>*Calculated using LBL Window Software v7.7.1</i>										

COMPLIANCES:

- CPSC 16 1201 (Category I and II)
- ANSI Z97.1 - Safety Materials Used in Buildings
- CCI Combustibility Class
- 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:

- One-way mirror
- Varied thicknesses
- Textured glass
- Smart Glass – instantly switchable privacy glass
- Insulated glass units with air or argon gas fills
- Tinted appearance
- Colored Interlayers
- Smart Designs - decorative options inside glass
- Various low-e glass
- Machining: shapes, notches, or holes
- Logos or signage in-between layers
- Custom designs & make-ups
- Glass cladding (GCP)
- Installation consultation or services

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

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