



PRODUCT DATA SHEET



SMARTGARD SECURITY GLAZING BP750-MOD

PRODUCT #: AIT-BP750-MOD

DESCRIPTION:

A **UL Listed** symmetrical three-ply abrasion resistant laminated polycarbonate and acrylic sheet.

The demands for security glass are increasing. The Smartgard Series products are custom manufactured to be utilized in secure environments where consistent quality and optimum optical clarity are priorities.

FEATURES:

- Polycarbonate and acrylic
- Abrasion resistant surfaces
- UL Listed

CONSTRUCTION:	PERFORMANCE DATA:									
<i>Attack side / Outboard / Exterior</i>	Max Dimension: 72" x 120"									
0.88" Proprietary BP750-MOD Composite Layers (Both exposed surfaces have abrasion resistant coating)	Nominal Thickness: 0.886"									
	Thickness Tolerance: 0.836" to 0.915"									
	Weight: 5.6 Lbs. / Square Foot									
	Ballistics: UL 752 Level I - UL Listed 9mm -3 shots No bullet penetration									
	<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>.67</td> <td>.78</td> <td>.80</td> <td>.90</td> <td>188.5</td> </tr> </tbody> </table>	U-VALUE	SHGC	VISUAL LIGHT TRANS.	SHADING COEFFICIENT	RELATIVE HEAT GAIN	.67	.78	.80	.90
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.67	.78	.80	.90	188.5						
<i>Protection side / Inboard / Interior</i>	<small>*Calculated using LBL Window Software v7.8.74 & NFRC 100-2010</small>									

COMPLIANCES:

- CCI Combustibility Class
- Made from UL 972 Listed Polycarbonate Sheet
- ANSI Z97.1 - Safety Materials Used in Buildings
- CPSC 16 1201 (Category I and II)

INSTALLATION SPECIFICATIONS:

The manufacturer strongly suggests the use of 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). Larger lites may require deeper frame engagement. It is imperative to the life and durability of certain composite types that compatible sealant or gasket material is used on both sides of the laminate. An appropriate sealant solution can be specified by the manufacturer if required. Remove protective masking when installation is complete and before prolonged exposure to sunlight, weather, and moisture.

Contact Piedmont Plastics for further details.

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