



PRODUCT DATA SHEET



SMARTGARD SECURITY GLAZING BPI250

PRODUCT #: AIT-BPI250

DESCRIPTION:

A **UL Listed** symmetrical four (4) plys abrasion resistant laminated polycarbonate 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:

- All polycarbonate
- Abrasion resistant surfaces
- UL Listed

CONSTRUCTION:	PERFORMANCE DATA:									
<i>Attack side / Outboard / Exterior</i>	Max Dimension: 72" x 120"									
1.311" Proprietary BPI250 Composite Layers (Both exposed surfaces have abrasion resistant coating)	Nominal Thickness: 1.311"									
	Thickness Tolerance: 1.267" to 1.355"									
<i>Protection side / Inboard / Interior</i>	Weight: 8.19 Lbs. / Square Foot									
	Forced Entry & Containment: ASTM F1915 Grade I (60 Minute Attack) HP White TP.0500.03 Level V Sequence 44 ASTM F1233 Class 5									
	Ballistics: UL 752 Level 3 – UL Listed .44 mag – 3 shots									
	<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>.54</td> <td>.73</td> <td>.54</td> <td>.84</td> <td>174.39</td> </tr> </tbody> </table>	U-VALUE	SHGC	VISUAL LIGHT TRANS.	SHADING COEFFICIENT	RELATIVE HEAT GAIN	.54	.73	.54	.84
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<small>*Calculated using LBL Window Software v7.8.74</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 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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