

Lightweight Infill Solution
With Impact Resistance



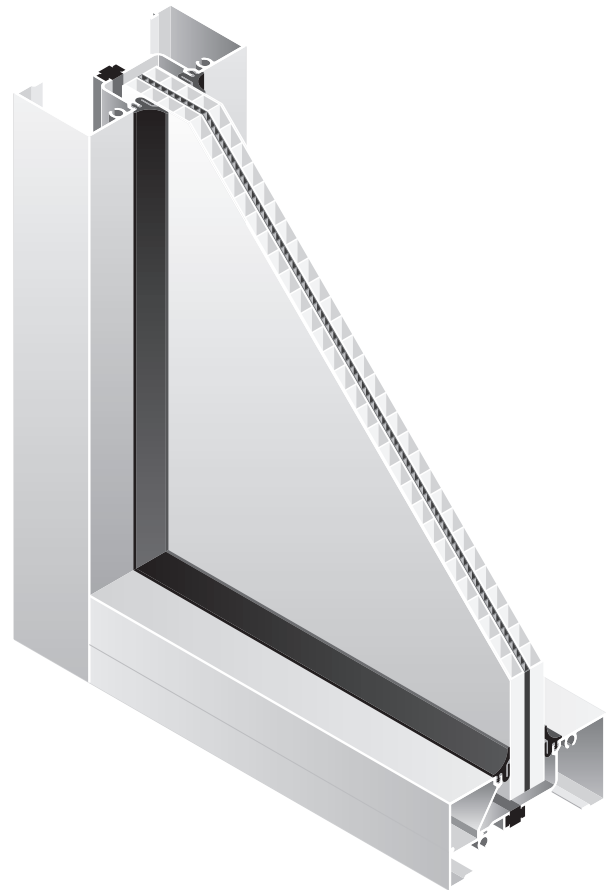
CITADEL
ARCHITECTURAL PRODUCTS

GLAZEGUARD® 1000 IR

IMPACT RESISTANT GLAZING INFILL PANELS

FEATURES & BENEFITS

- fits standard 1" glazing systems
- meets HVHZ requirements
- long-lasting, smooth Kynar 500® finishes
- anodized finishes to match storefronts
- water resistant
- polypropylene stabilizers
- can be easily cut-to-size in the field
- very low maintenance
- no minimum quantities
- quick lead time
- available in several standard sizes

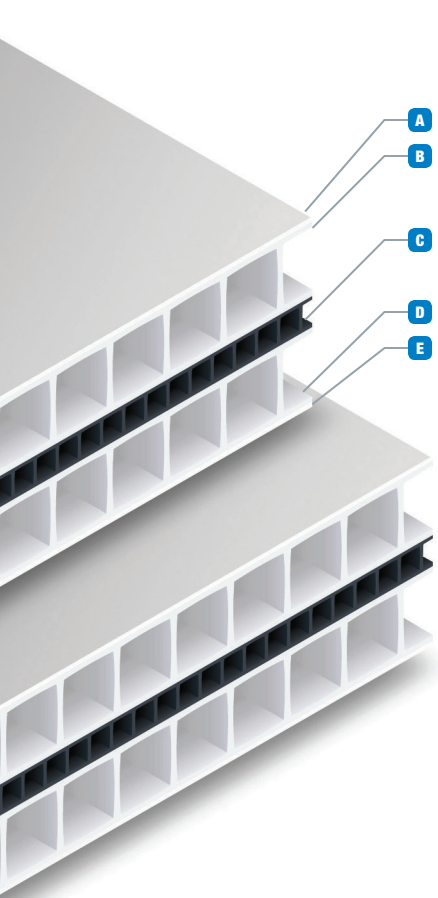


Description:

GlazeGuard® 1000 IR is a composite panel with smooth aluminum skins and polypropylene stabilizers and core. Panels are furnished with a strippable film on the painted surfaces to protect the finish during shipment and installation.

Use & Application:

GlazeGuard® 1000 IR is installed in aluminum glazing or storefront channels (on setting blocks) and sealed using gaskets. No fasteners or adhesives are used in the installation of the panel. Typical applications include glazing infill, modesty screens, spandrel panels, and railing inserts.



GLAZE GUARD® 1000 IR

MATERIAL PROPERTIES

Component	Standard (in)	Metric (mm)
A Prefinished Smooth Aluminum ¹	.024"	0.61mm
B High Density Polypropylene	3/8"	10.0mm
C High Density Polypropylene	5/32"	4.00mm
D High Density Polypropylene	3/8"	10.0mm
E Prefinished Smooth Aluminum ¹	.024"	0.61mm

PANEL PROPERTIES

Property	Standard (in)	Metric (mm)
Panel Weight	1.89 lbs/ft ²	9.22 kg/m ²
Nominal Thickness	1"	25mm
Thickness Tolerance	±1/32"	±0.79mm
Length & Width Tolerance	+0, -1/8"	+0, -3.18mm
Squareness	1/64" per lineal ft	
Flatness	visually flat	

FINISH PROPERTIES

Finish	Type	Coating
Smooth Kynar 500®	2-coat PVDF (solid, mica)	0.20 mil primer + 0.80 mil color
	3-coat PVDF (metallic)	0.20 mil primer + 0.80 mil color + 0.70 mil clear
Smooth Anodized	Exterior Standard No. 1 ²	0.20 mil to 0.45 mil (depending on color)

PANEL PERFORMANCE

Property	Test	Value	Unit
Flame Spread	ASTM E84	Class A	---
R-Value	---	2.72	°F-ft ² -h/BTU
Wind Load (4' x 4' and 4' x 8' tested)	ASTM E72	varies, available upon request	

- 1 - Prefinished aluminum skins are furnished with a PVC film for protection during shipment and installation.
 2 - Class I or Class II anodizing is available as a premium custom finish. However, the warranty remains the same and fabrication difficulties will result (increased crazing, cracking) due to the increased film thickness.

STANDARD SIZES

48" x 96"	(121.9cm x 243.8cm)
48" x 120"	(121.9cm x 304.8cm)
48" x 144"	(121.9cm x 365.8cm)
60" x 96"	(152.4cm x 243.8cm)
60" x 120"	(152.4cm x 304.8cm)
60" x 144"	(152.4cm x 365.8cm)

Cut-to-size panels are available in any increment up to 60" x 144".

WARRANTY

Panel Composition:	5 years
Kynar 500® Finishes:	30 years
Anodized Finishes:	20 years

RECYCLED CONTENT (BY WEIGHT)

Post-Consumer:	0.4%
Post-Industrial:	19.1% to 24.5%

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