

Product Data Sheet

PRODUCT NAME:
 GlazeGuard[®] 1000
 Opaque Glazing Panels

DISTRIBUTOR:
 Eastern Glass Resources Inc.
 770 Supor Blvd
 Harrison, New Jersey 07029
 phone: (973) 483-8411
 (866) 318-7896
 fax: (973) 482-2717

web: www.eglassr.com
 email: info@eglassr.com

PANEL & SYSTEM DESCRIPTION

OVERVIEW:
 GlazeGuard[®] 1000 is a composite panel made by laminating either textured or smooth aluminum skins (or porcelain enamel steel) to hardboard (or equivalent) substrates. These stabilizers surround a core of expanded polystyrene or poly-isocyanurate foam.

Panels are furnished with a strippable film (or interleaved microfoam) on the painted surfaces to protect the finish during shipment and installation.

GlazeGuard[®] 1000 is installed in aluminum glazing/storefront channels (typically on setting blocks) and sealed using gaskets. No mechanical fasteners or adhesives are used in the installation of the panel.

BASIC USES & APPLICATIONS:
 As an alternative or complement to glass, GlazeGuard[®] panels provide an excellent choice for use as glazing infill, spandrel panels, modesty screens, and railing inserts.

These panels are typically used on various types of buildings including schools and universities, retail complexes, storefront conditions etc... However, with an impact resistant composition and a foam core GlazeGuard[®] 1000 panels are ideal for any other application where increased thermal properties, durability and safety are concerns.



TABLE 1. COMPOSITION & MATERIALS

Component	Standard (in)	Metric (mm)
• Prefinished Textured Aluminum Skins (or) Prefinished Smooth Aluminum Skins (or) Porcelain Enamel Steel Skins	.010" .024" (min) 28ga	.254mm .609mm .390mm
• Hardboard (or equivalent) Stabilizers	1/8"	3.18mm
• Expanded Polystyrene Foam (EPS) Core (or) Polyisocyanurate Foam (ISO) Core	21/32" 21/32"	16.6mm 16.6mm

¹ Technical Properties (see back) are based upon the Typical Composition. Selecting optional components may alter these properties.

FEATURES & BENEFITS:

As a line of glazing infill solutions, GlazeGuard[®] offers a number of benefits to the building owner, architect, and installer including:

- **Versatile**
With a complete line of options, GlazeGuard[®] panels offer solutions for water and fire resistant compositions in addition to the standard panel.
- **Increased Thermal Value**
When compared to glass, GlazeGuard[®] offers an attractive alternative with increased R-values gained from panels 1" to 3-1/2" thick.
- **Durable**
Whether installed in new or retrofit applications, the hardboard (or equivalent) stabilizers provide superior impact/dent resistance.
- **Variety Of Finish Options**
GlazeGuard[®] panels are available in a wide range of colors and finishes. From solid tones in textured aluminum and porcelain enamel steel to metallic and anodized finishes in smooth skins, these panels provide the designer with a broad palette to work from.
- **Low Maintenance**
Little or no maintenance is required and most grease, dirt, oil, and other foreign material can be easily cleaned from the surface.

GENERAL LIMITATIONS:

GlazeGuard panels are designed to be installed in glazing channels or other similar type channels where all four edges are sealed. The panels are not eligible for use as a wall cladding or system. No moldings are available with GlazeGuard panels.

SYSTEM FINISHES:

GlazeGuard 1000 panels are available with either smooth or textured prefinished aluminum or porcelain enamel steel skins.

Standard colors in textured skins are offered with a coil coated polyester. Premium colors are also available with an acrylic urethane coating.

Smooth standard and metallic colors are furnished with a durable Kynar 500 coating. Anodized finishes are also standard.

Whether smooth or textured, both finishes can be ordered in custom colors to match customers' standard.

Porcelain enamel steel is available in both standard and premium colors.

TABLE 2. PANEL WEIGHT & THICKNESS

Component	Standard	Metric
Panel Weight ¹	2.08 lbs/ft ²	10.2 kg/m ²
Nominal Thickness	1"	25mm

TABLE 3. PANEL PERFORMANCE

Property	Test	Value (EPS)	Value (ISO)	Unit
R-Value	---	4.6	6.0	°F ft ² /BTU
Flame Spread	ASTM E84	Class B	Class A	---
Stiffness (EI) ¹	ASTM E72	8.69 ^{E+5}	---	lb-in ² /ft width
Allowable Bending Moment ¹	ASTM E72	1.87 ^{E+2}	---	lb-ft/ft width
Tensile Yield ¹	ASTM E72	6.24 ^{E+3}	---	lb/ft width
Ultimate Tensile ¹	ASTM E72	8.16 ^{E+3}	---	lb/ft width

¹ Weight and testing based upon panels using an .010" textured face skin and an .010" textured back skin.

MATERIAL TOLERANCES:

Thickness: ±1/32" (±0.79mm)
 Length Dim: +0, -1/8" (+0, -3.18mm)
 Width Dim: +0, -1/8" (+0, -3.18mm)
 Squareness: 1/64" (0.4mm) per lineal foot

SIZES AVAILABLE:

48" x 96" (1219mm x 2438mm)
 48" x 120" (1219mm x 3048mm)
 48" x 144" (1219mm x 3658mm)
 60" x 96" (1524mm x 2438mm)
 60" x 120" (1524mm x 3048mm)
 60" x 144" (1524mm x 3658mm)

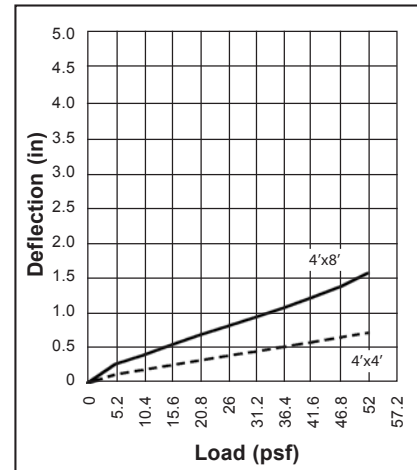
GlazeGuard is supplied with clean, machine trimmed edges.

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

PANEL FINISH SYSTEMS:

Standard Textured: Coil Coated Polyester
 Custom Textured: Spray Applied Acrylic Urethane
 Standard Smooth: Coil Coated Kynar 500 (or) Porcelain Enamel Steel
 Custom Smooth: Spray Applied Kynar 500

LOAD DEFLECTION¹:



¹ Panel tested while supported on four sides.

STANDARD WARRANTY:

Panel Warranty: 5 Years
 Polyester/Acrylic Finish: 5 Years
 No change greater than 6 for chalk, 8 E units for fade
 Kynar 500 Finish: 20 Years
 No change greater than 8 for chalk, 5 E units for fade
 Anodized Finish: 20 Years (prorated)
 Porcelain Steel: 20 Years
 No chalk
 No change greater than 5 E units for fade