

## Product Data Sheet

### PRODUCT NAME:

GlazeGuard® 1000 FR  
Fire Resistant Opaque  
Glazing Panels

### MANUFACTURER:

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### PANEL & SYSTEM DESCRIPTION

#### OVERVIEW:

GlazeGuard®1000 FR is a composite panel made by laminating either textured or smooth aluminum skins (or porcelain enamel steel) to a hardboard (or equivalent) stabilizer. This stabilizer, along with a Type-X gypsum board, surround a core of polyisocyanurate 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 FR 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/door light panels, and railing inserts. These panels are typically used on various types of buildings including schools and universities, retail complexes, storefront conditions etc... However, with a fire resistant composition, an impact resistant stabilizer, and a foam core, GlazeGuard®1000 FR panels are ideal for any other application where increased thermal properties, durability, and safety are concerns.

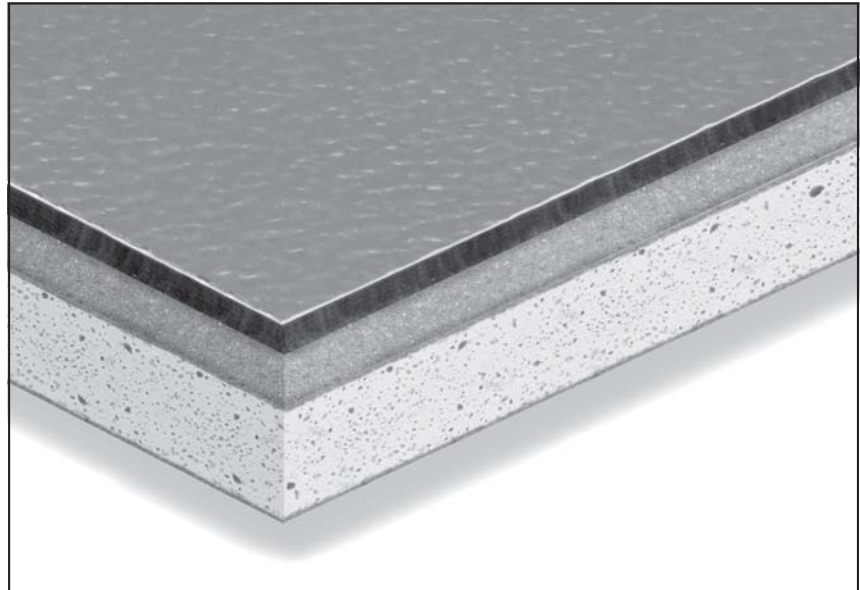


TABLE 1. COMPOSITION & MATERIALS<sup>1</sup>:

Component	Standard (in)	Metric (mm)
• Prefinished Textured Aluminum Skins <sup>2</sup> (or) Prefinished Smooth Aluminum Skins (or) Porcelain Enamel Steel Skins <sup>2</sup>	.010" .024" (min) 28ga	.254mm .609mm .390mm
• Hardboard (or equivalent) Stabilizer	1/8"	3.18mm
• Polyisocyanurate Foam (ISO) Core	3/16"	4.76mm
• Type-X Exterior Grade Gypsum Board	5/8"	15.9mm

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

<sup>2</sup> Textured and porcelain skins available on face only. Backer must be .024" smooth aluminum.

#### FEATURES & BENEFITS:

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

- **Fire Resistant**  
A Type-X gypsum board provides additional fire resistance for areas with more stringent requirements (i.e. educational facilities, etc.).
- **Low Maintenance**  
Little or no maintenance is required and most grease, dirt, oil, and other foreign material can be easily cleaned from the surface.
- **Durable**  
Whether installed in new or retrofit applications, the hardboard (or equivalent) stabilizer provides superior impact/dent resistance.
- **Versatile**  
With a complete line of options, GlazeGuard® panels offer solutions for water and fire resistant compositions in addition to the standard panel.
- **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.

**GENERAL LIMITATIONS:**

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

**SYSTEM FINISHES:**

GlazeGuard® 1000 FR 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 <sup>1</sup> Nominal Thickness	3.78 lbs/ft <sup>2</sup> 1"	18.5 kg/m <sup>2</sup> 25mm

<sup>1</sup> Panel weight based upon an .010" textured face skin and an .024" smooth back skin.

**TABLE 3. PANEL PERFORMANCE:**

Property	Test	Value	Unit
R-Value	---	2.19	°F ft <sup>2</sup> /BTU
Flame Spread	ASTM E84	Class A	---

**MATERIAL TOLERANCES:**

Thickness: ±1/32" (±0.79mm)  
 Length Dim: +0, -3/16" (+0, -4.76mm)  
 Width Dim: +0, -3/16" (+0, -4.76mm)  
 Squareness: 1/64" (0.4mm) per lineal foot

GlazeGuard® is supplied with clean, machine trimmed edges.

**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®

**SIZES AVAILABLE:**

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

Cut-to-size panels are also available in virtually any size up to 48" x 144".

**STANDARD WARRANTY:**

Panel Warranty: 5 Years  
 Polyester/Acrylic: 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