

ACID ETCH GLASS PRODUCT DATA SHEET

PRODUCT LINE: GlasPro-Acid Etch Glass

GlasPro-Acid Etched Glass is created through permanent acid etching of the surface (or surfaces) of the glass. Patterns are created by alternating the glossy and etches finishes creating designs on the surface of the glass which are finger print resistant, scratch resistant and easy to clean.

Acid-etched glass uses a process of abrasives in order to create a frosted look on the glass. The acid treatment we offer for our glass is used to create a wide array of pieces. When you opt for our acid etched glass you will have a true frosted look, which is much more affordable than the sandblasting counterpart.

Modern construction has begun using acid etched glass as it adds a trendy design element which provides a durable finish that reduces reflection and glare. Additionally, it adds privacy, provides an appearance of texture and increase the light transmission. We will help you to select the proper acid-etched glass for your application.

It is important to understand that even though the process of creating acid etched glass is fairly consistent, there are still variations that are present which make the surface inconsistent in some areas. Acid Etching is a manual process and perfection in the consistency of the etch is not possible. When you are selecting the type of glass to etch, you will likely have some objectives in mind, which may include:

- Diffusion of light;
- Privacy;
- Visual Appearance;
- Light transmission;
- Integration with the other objects in the space;
- Using daylight for increased efficiency.

We can provide you with several finishes for the glass that you select. The smoothness and opacity will create a different visual effect, which impacts the performance of the glass's ability to provide light reflection and transmission.

You can opt to have your glass etched on both sides, which will enhance the characteristics that are present. This provides superior results when you wish to have the same visual effect on each side of the glass.

We can offer you any type of custom etching for your glass that you desire. It is perfect for both interior and exterior spaces in order to provide a unique look or trendy style.

GLASPRO-GL - GLASPRO-ACID ETCH GLASS PRODUCT DATA

GLAS-PRO.COM | 800.776.2368

9401 ANN STREET, SANTA FE SPRINGS, CA 90670-2613

The logo for GLASPRO features the word "GLASPRO" in a bold, sans-serif font. The letters "GLAS" are white and set against a dark grey rectangular background. The letters "PRO" are green. A thin green horizontal line is positioned below the logo.

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GlasPro-Acid Etched & Etched Designs is available in a variety of thicknesses and colors. The glass can be tempered¹, laminated, back painted and insulated. The standard is Low Iron glass.

*Combine with GlasPro BP for custom colored wall cladding applications

*Combine with reflect for Etched pattern mirrors

*Combine with Color Tool Box to create transparent or translucent colored glass

Available Thickness: GlasPro-Etched Designs is available in a wide variety of thicknesses ranging from 5/32" to 2" (in laminated form). The standard thickness for all patterns in monolithic form is 1/4" (6mm) except for Prestige for which the standard thickness is 1/2".

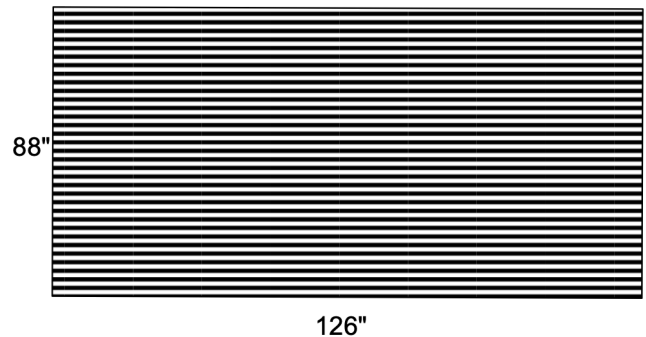
Max Sizes: GlasPro-Acid Etched & Etched Designs is available up to 88x126. Sizes greater than 70" in both directions may be subject to jumbo pricing surcharges.

GlasPro-Acid Etched & Etched Designs Standards

All GlasPro-Etched Designs products meet or exceed the following standards

1. ASTM C 1036 Specification for Flat Glass
2. ASTM C 1172 Specification for Laminated Architectural Flat Glass (if applicable)
3. C1048-04 Heat Treated Flat Glass
4. ANSI Z97.1-2004 Glazing Materials Used in Buildings-Safety performance
5. 16 CFR 1201: Safety Standard for Architectural Glazing Materials

Patterns Direction. All Etched Designs products (except for Fancy) have a pattern direction. This is an important consideration in designing with this product line. The pattern direction is as shown on the right.



Exterior and Interior Rated Products

All GlasPro-Etched Designs products are rated for Exterior and Interior use and carry a full warranty for either installation.

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Glass Handling and Storage

Care needs to be taken during handling and glazing to ensure that glass damage does not occur. Do not allow glass edges to contact the frame or any hard surface during installation. Refer to the Glass Association of North America (GANA) glazing manual for proper handling instructions.

Improper glass storage may result in damage to glass, glass surfaces or coatings. Store glass crates properly to prevent them from tipping. Also, ensure proper blocking and protection from outside elements.

GlasPro recommends a 5-8° lean against two wide, sturdy uprights, which are capable of withstanding the crate weight.

Once the glass is installed the general contractor or building owner should provide for glass protection and cleaning. Weathering metals, alkaline materials or abrasive cleaners may cause surface damage. Windblown objects, welding sparks or other material that contacts the glass surface during construction may cause irreversible damage.

Maintenance and Cleaning

To maintain aesthetics, it is important to clean the glass during and after construction. For routine cleaning, use a soft, clean, grit-free cloth and a mild soap, detergent, or window cleaning solution.

Glass Cleaner

You can make your own glass cleaner that will do a great job of cleaning acid etched glass. It will even remove finger prints if you are willing to spend some time scrubbing. To make your own glass cleaner, you only need water, isopropyl alcohol, and ammonia—all common household cleaning agents. Mix all three ingredients in equal amounts and you will be ready to keep even the most difficult glass clean.

Alternatively, you can use commercially available window cleaner.

Applying

Put your glass cleaner of choice into a spray bottle and apply it to your acid etched glass. Then, wipe it away using a soft cloth. Lint can be as big of a problem as the original dirt, so be sure to use a cloth that will not leave any behind. You may have to scrub a little bit to get the worst dirt, dust, and grease out of your acid etched glass.

Framing Deflections

Refer to the GANA glazing manual for information on adequate framing systems. You are required to comply with industry standards for framing deflection.

Non-Rectangular Glass Shapes

GlasPro can cut virtually any shape glass required for your project from CAD files or full size patterns. Full size patterns must be submitted to GlasPro for evaluation. Pattern Charges may apply.

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Warranty Information

GlasPro-Etched Designs products carry 5 year limited warranty. Contact our order desk for copies of our product warranties.

GlasPro-Etched Designs Inspection Guidelines

View GlasPro-Etched Designs from a distance of 10 feet (3m) under natural daylight conditions. Pinholes larger than 1/16" (1.6mm) are not allowed if noticeable from a distance of 10 feet or greater. Color as well as opacity of the pattern may vary slightly due to paint thickness variations.

Pattern Orientation

Patterns may be located up to 1/16" (1.6mm) off parallel from the locating glass edge. Due to glass dimensions and squareness tolerances, patterns may be up to 1/8" (3mm) off parallel from edges other than the locating glass edge.

Pattern Registry

Maximum variation of +/-1/32" (.8mm) in dot, line or hole location is acceptable

GlasPro-Etched Designs products may be used in structural glazed applications. GlasPro-Etched Designs is compatible with Dow Corning 982 and 795.

1. Fancy cannot be tempered. In order to make it safety glass either Cat2 Safety backing or lamination is required.

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