

# Satin Etched Glass

## Product Description

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Satin etched glass provides a smooth, translucent finish that offers privacy combined with excellent light transmission. Produced utilizing an acid-etch process on clear and low-iron substrates, satin etched glass is available as full-flood coverage—or in a variety of decorative patterns. Satin etched glass is perfect for commercial building facades and interior design application and can be used monolithically, or as part of an insulating glass unit.

## Features & Benefits

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- Smooth, uniform factory finish
- Fingerprint and scratch resistant
- Light diffusing with high visible light transmission
- Permanent etched surface that will not degrade, peel or discolor over time
- Broad range of thicknesses and tints available
- Can be heat-treated, laminated or further processed
- Ideal for interior and exterior use

## Resources

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CSI 3-Part Specifications available on GGI website, BSD SpecLink, and ARCAT.com. Contact sales representative to discuss custom fabrication capabilities.



## Thicknesses Stocked

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- 1/8" (3mm)
  - 5/32" (4mm)
  - 3/16" (6mm)
  - 1/4" (6mm)
  - 3/8" (10mm)
  - 1/2" (12mm)
- 3/4" (19mm) available upon request.

## Applications

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- All-glass entrances
- Cabinetry
- Door lites
- Furniture
- Glass handrails
- Glass marker boards
- Lighting fixtures
- Partition walls
- Shower enclosures
- Table and counter tops
- Wall cladding

## Low-Iron Options

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- Satin etched clear or low-iron
- Single and double-sided
- Crystal Light™ soft finish low-iron
- Satin etched low-iron mirror
- Standard pattern designs
- Bronze, grey and black available upon request

## Processing Options

<b>Cutting</b>	Straight	Yes
	Shapes	Yes
<b>Drilling</b>	Holes	Yes
	Notches	Yes
<b>Edgework</b>	Beveling	Yes
	Grinding	Yes
	Polishing	Yes
	Mitering	Yes
<b>Fabrication</b>	Back-painting	Yes <sup>1</sup>
	Bending	Yes
	Digital imaging	Yes <sup>1</sup>
	Heat-treating	Yes
	Insulating	Yes
	Laminating	Yes <sup>2</sup>
	Silk-screening	Yes

<sup>1</sup> Paint non-etched surface only.

<sup>2</sup> Non-etched surface must face the outside of the assembly with PVB or other interlayer to untreated surface.

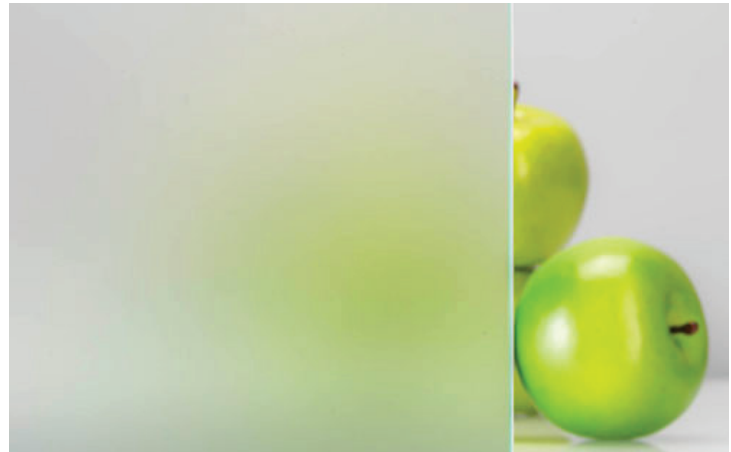
## Storage

Glass should be stored vertically in a cool, dry, and well-ventilated area. If moisture is detected, separate the sheets and dry immediately.

## PERFORMANCE DATA<sup>1</sup>

	1/8"	5/32"	3/16"	1/4"	3/8"	1/2"
<b>Visible Light Transmission %</b>	86	86	86	85.3	85	84.6
<b>Visible Light Reflectance %</b>	8	8	8	8	8	8

<sup>1</sup> Performance measurements for satin etched and other decorative glass solutions is limited. These values should be used as a general guideline only.



## Fabrication

It is best to score the non-etched side of the glass. When cutting satin etched mirror or double-sided etched glass, score the etched side [non-painted side] with increased cutting pressure. Make sure to test cutting pressure for best results. After cutting, the glass sheets should be washed to avoid staining from oil residue.

When machine edging, wet the glass before fabrication and wash immediately following to ensure no coolant or cerium oxide residue remains on the glass as it may cause permanent staining.

## Handling & Care

While etched glass resists smudges and fingerprints, it can stain. Make sure to avoid contact with materials such as silicone adhesives, mastics, black felt markers, wax marker, oil and grease. Use a mild non-abrasive solution and apply uniformly to the glass surface with a soft cloth. Immediately dry the glass surface with a lint free cloth.

Contact us to learn more.

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# Anti-Slip Satin Etched Glass Flooring

## Product Description

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Anti-Slip satin etched glass is design for horizontal applications—specifically flooring and stair treads. The smooth and stain resistant satin etched finish provides diffused lighting for privacy while still allowing a good level of visible light to be transmitted. This solution is ideal for allowing daylighting to be shared between spaces, unlike traditional stair and flooring materials that block the transmission of light.

## Features & Benefits

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- Consistent finish and appearance
- Light diffusing for privacy
- Translucent for high visible light transmission
- No degradation, wear, or discoloration
- Soft and silky to the touch
- Easy to fabricate and process including bending, laminating and tempering
- Easy to clean and maintain
- Resistant to common cleaners because it is not an additive, or a bonded layer
- Does not peel or discolor like films
- Does not scratch off like coatings

## Resources

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CSI 3-Part Specifications available on GGI website, BSD SpecLink, and ARCAT.com. Contact sales representative to discuss custom fabrication capabilities.



## Product Stocked:

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- 3/8" (10mm) thickness
- 88 1/2" x 126"
- Clear (Low-iron option available upon request)
- Diamond Plate and Square Dots
- Other sizes and patterns available upon request
- Sold in full cases only

## Applications

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- Flooring
- Stair treads
- Hotels
- Restaurants
- Bars
- Bathrooms
- Breezeways
- Entrances
- Parking areas
- Traffic paths

## Standards & Ratings

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- Tested by the leading European Work Safety institution "IFA" and certified R11 and R12 anti-slip level.
- In accordance with DIN 51130 (2010) Standard and R10, R11 and R12 safety classes, these patterns are also suitable for use in parking areas, traffic paths, entrances, sanitary areas and indoor or outdoor stairs.

## Processing Options

<b>Cutting</b>	Yes
<b>Polishing</b>	Yes
<b>Beveling</b>	Yes
<b>Bending</b>	Yes
<b>Tempering</b>	Yes
<b>Laminating</b>	Yes
<b>Edgework</b>	Yes
<b>Product Availability</b>	Case quantities only

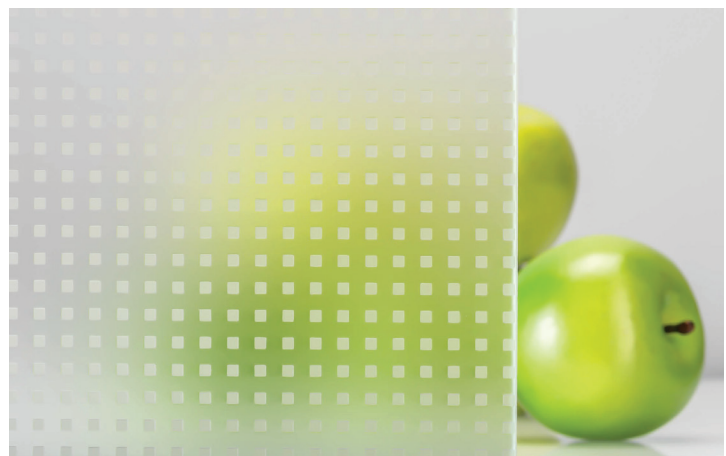
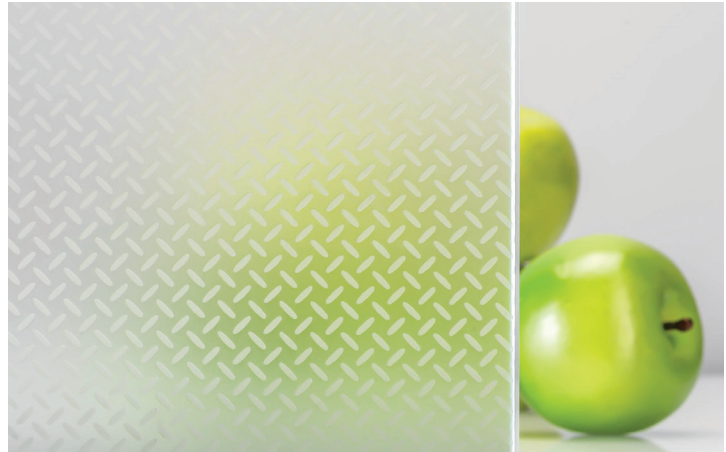
## Storage

Glass should be stored vertically in a cool, dry and well ventilated area. If moisture or humidity is detected, separate sheets and dry immediately.

## Handling & Care

The etched glass can stain easily. Avoid contact with materials such as silicone adhesives, mastics, black felt markers, wax markers, oil and grease.

Use a mild, non-abrasive solution and apply uniformly to the glass surface with a soft cloth. Immediately dry the glass surface with a lint free cloth.



## Fabrication

Cutting - score the unetched side of the glass. Mirrors and glass in which both sides are etched, score the etched side but increase cutting pressure. Ensure cutting pressure is tested prior to cutting. After cutting the sheets should be washed to avoid staining from the oil.

Machine edging - wet the glass before fabrication and wash immediately after fabrication. Never allow coolant or cerium oxide to dry on the glass as it may permanently stain.

## Abrasion Resistance

Per EN 13748-2 Standard, abrasion resistance values below 1.22in<sup>3</sup>/3.05in<sup>3</sup> for floor tiles is required.

Contact us to learn more.

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