

Satin Etch

Product Description

Satin Etch is a translucent glass with a light diffusing etched surface to which patterns may be applied.

Features and Benefits

- Provides privacy
- High light transmission to help increase daylight within a building
- Easy to clean surface
- Provides glare control
- High resistance to stains
- Can also be overlaid with graphics viewable from both sides
- Available in clear and low iron as well as various tints and colors
- Available in laminated or monolithic form

Applications

- Balustrades
- Bus shelters
- Canopies
- Ceiling tiles
- Counter tops
- Elevator cabs
- Exterior glazing and sunshades
- Flooring panels
- Interior glazing and partitions
- Public art
- Signage
- Stair treads
- Store fronts
- Vanity tops
- Wind walls

Capabilities

Glass Thicknesses

- 3mm (1/8"), 6mm (1/4"), 10mm (3/8") and 12mm (1/2")

Patterns

- Large selection of in-house patterns
- Comprehensive in-house graphics department available for creating custom patterns

Colors

- Available in clear and low iron as well as various tints and colors

Edgework

- Standard edge for satin etch glass is a seamed edge
- Polishing and grinding available

Fabrication

- Available on this product (See *Edgework and Fabrication* section in this binder.)

Satin Etch

Technical Data

All data provided relates to standard 6mm (1/4") satin etch.

Light Transmission

- 89%

Light Diffusion

- 87%
- Soft, natural appearance

UV

- 53%

Surface Roughness

- Ra: 1.8 (+/- 0.2)
- Rz: 10 (+/- 0.5)
- Rsm: 110 (+/- 10)

Applicable Industry Standards

- ASTM C1036 - Standard Specification for Flat Glass
- ASTM C1048 - Standard Specification for Heat-Treated Flat Glass - Kind HS, Kind FT Coated and Uncoated Glass
- ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass

Clear Satin Etch

Thickness	Visible Transmission	Solar Transmission	SC	SHGC	U Value
3mm (1/8")	89.8%	82.7%	0.98	0.854	1.04
6mm (1/4")	88.6%	77.1%	0.94	0.815	1.02
10mm (3/8")	86.7%	69.3%	0.88	0.763	1.02
12mm (1/2")	85.1%	63.5%	0.84	0.724	1.02

Low Iron Satin Etch

Thickness	Visible Transmission	Solar Transmission	SC	SHGC	U Value
3mm (1/8")	91.0%	89.0%	1.05	0.90	1.00
6mm (1/4")	91.0%	89.0%	1.04	0.90	1.00
10mm (3/8")	91.0%	87.0%	1.03	0.89	0.98
12mm (1/2")	91.0%	86.0%	1.02	0.87	0.96

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Maintenance

Follow Goldray's standard *Glass Cleaning* instructions found in this binder.

Warranty

A typical 5 year limited warranty is available for Goldray Satin Etch Glass. Contact the Goldray sales office for specific terms and conditions.