

Product Description

Low-iron glass is an ultra-clear float glass that is made using a very low level of iron oxide. The outcome is a virtually colorless glass when viewing through the glass, with only a slight edge color—unlike ordinary glass that has a significantly darker green edge. Low-iron glass is ideal for decorative applications and further processing.

Features & Benefits

- Ultra-clear for the highest visible light transmission (VLT)
- Available in a broad range of thicknesses up to 3/4"
- Excellent quality and clarity
- Provides the truest color rendering for back-painting and direct-to-glass printing
- Low-iron available in anti-reflective, laminated, mirror, patterned and satin-etched
- Low-iron can be tempered, laminated and further processed

Resources

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



Thicknesses Stocked

- 1/4" (6mm)
- 3/8" (10mm)
- 1/2" (12mm)
- 5/8" (15mm)
- 3/4" (19mm)

Other thicknesses available upon request.
View website for standard inventory available.

Applications

- All-glass entrances
- Display cabinets
- Furniture
- Glass handrails
- Partition walls
- Shelving
- Shower enclosures
- Solar panels and photovoltaics
- Store fronts
- Table and counter tops
- Wall cladding

Low-Iron Options

- Ultra-clear low-iron
- Low-iron mirror
- Satin-etched low-iron, single and double-sided
- Crystal Light™ non-glare low-iron
- Patterned low-iron

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Processing Options

Cutting	Straight	Yes
	Shapes	Yes
Drilling	Holes	Yes
	Notches	Yes
Edgework	Beveling	Yes
	Grinding	Yes
	Polishing	Yes
	Mitering	Yes
Fabrication	Back-painting	Yes
	Bending	Yes
	Digital imaging	Yes
	Etching	Yes
	Heat-treating	Yes
	Insulating	Yes
	Laminating	Yes
	Sandblasting	Yes
	Silk-screening	Yes



Storage

Glass should be stored vertically in a cool and dry location at all times. If moisture is detected, separate the sheets and dry immediately.

Fabrication

Low-iron glass is a durable float glass product with mechanical and physical properties similar to clear float glass, making it easy to fabricate and process.

PERFORMANCE DATA

Glass Thickness		Transmittance %			Reflectance		Solar Heat Gain Coefficient	Light to Solar Gain	Color Rendering Index ²
Inches	mm	Ultra-violet	Visible (VLT)	Total Solar	In	Out			
1/8"	3.0	87	91	90	8	8	91	1.01	100
3/16"	5.0	85	91	90	8	8	91	1.01	100
1/4"	6.0	83	91	89	8	8	91	1.01	100
3/8"	10.0	80	91	88	8	8	90	1.02	100
1/2"	12.0	78	90	87	8	8	88	1.02	99
5/8"	16.0	76	90	86	8	8	87	1.03	99
3/4"	19.0	73	90	84	8	8	86	1.05	99

¹ Performance values may vary due to the production process and manufacturing tolerances.

² The appearance of the color reflected through the glass edge of small samples will be less than what will be visible in full size glass panels.

Contact us to learn more.

800-431-2042 | sales@generalglass.com | www.generalglass.com

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