# **GGI**

# **Low-Iron Glass**

# **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 satinetched
- 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

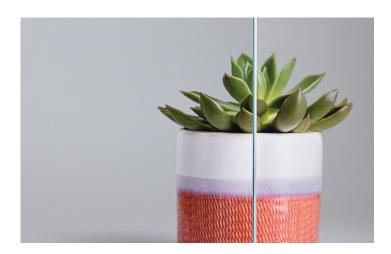




### **Processing Options**

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	

# **Product Information**



#### 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	Light	Color	
Inches	mm	Ultra- violet	Visible (VLT)	Total Solar	In	Out	Gain Coefficient	to Solar Gain	Rendering Index <sup>2</sup>
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

<sup>&</sup>lt;sup>1</sup> Performance values may vary due to the production process and manufacturing tolerances.



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<sup>&</sup>lt;sup>2</sup> 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.