



# SOLARSHIELD®

## Tinted float glass

### In an array of nature-inspired colors

SOLARSHIELD® is AGC's exclusive range of high-quality tinted float glass designed for commercial, residential, and industrial applications. Available in Pure Grey, Pure Bronze, Pure Green, Majestic Grey, Forest Green, Sky Blue, Pure Blue, and Midnight Blue colors, these tinted glass solutions create beautiful exteriors—while increasing cooling efficiency and comfort, reducing glare, and offering unobstructed views.

## Solarshield

What's so special about it? | What does this mean for you?

- Tinted glass in a range of nature-inspired colors** – Provides stunning aesthetics that blend harmoniously with the outdoor environment, or exterior finishes
- Unlimited design options for the building envelope and interiors** – Supports year-round energy efficiency in regions that rely on air conditioning
- Greater indoor comfort and reduced visual glare
- Can be combined with low-e coated glass products to deliver customized energy performance
- Ideal for use in atriums, skylights, spandrel, and vision areas, as well as interior glass partitions and table tops
- Easy to process for a variety of applications** – Can be heat-treated, laminated, bent, or further processed, same as float glass
- Can be used monolithically, or as part of an insulated unit
- Store and handle same as traditional (clear) float glass

## Performances

Product name	Color	Transmittance %			Reflectance %			Winter U-Value (Imperial)		Shading Coefficient	Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)	DW Index
		Visible (VLT)	Solar	UV	Out	In	Solar	Air	Argon				
<b>Insulating glazing unit: Based on 1" (25 mm) Unit: 1/4" (6 mm)   1/2" (13 mm) spacer   1/4" (6 mm)</b>													
Clear   Clear	Clear	78	65	51	14	14	11	0.47	0.45	0.84	0.73	1.07	0.71
Solarshield Pure Grey   Clear	Pure Grey	40	35	20	7	12	6	0.48	0.45	0.54	0.47	0.85	0.36
Solarshield Pure Bronze   Clear	Pure Bronze	48	39	19	8	12	7	0.48	0.45	0.58	0.51	0.94	0.38
Solarshield Pure Green   Clear	Lighter Green	68	39	25	11	13	7	0.47	0.45	0.58	0.50	1.37	0.56
Solarshield Majestic Grey   Clear	Lighter Grey	58	44	35	10	13	8	0.47	0.45	0.63	0.55	1.05	0.49
Solarshield Forest Green   Clear	Darker Green	58	28	12	10	13	6	0.47	0.45	0.46	0.40	1.45	0.44
Solarshield Sky Blue   Clear	Lighter Blue	65	39	31	11	13	7	0.47	0.45	0.57	0.50	1.31	0.58
Solarshield Pure Blue   Clear	Blue	50	35	26	8	12	7	0.47	0.45	0.53	0.46	1.09	0.50
Solarshield Midnight Blue   Clear	Darker Blue	31	15	14	6	11	5	0.47	0.45	0.34	0.29	1.05	0.32

Performance values are based on representative production samples and product modeling data using LBNL Window 7 software. Actual values may differ based on variations in the manufacturing process. Environmental conditions based on NFRC 100-2010. Argon data based on 10% air and 90% argon. Thermal stress analysis or building codes may determine the requirement for heat-treated glass. Contact AGC Technical Services at 800-251-0441 to ensure the correct form of glass to be supplied. For additional data performance and comparisons, use our online Glass Calculator [www.agcglass.com/tools-and-resources](http://www.agcglass.com/tools-and-resources).

- Exterior and interior use** **IGU configurations**  
There are virtually unlimited IGU configurations when you incorporate Solarshield Tinted glasses. Please contact AGC for more information.
- Insulating** **Build your own IGU**  
With the AGC online Glass Calculator you can quickly and easily build your own AGC IGU and calculate its performance data. Visit [www.agcglass.com/Tools & Resources](http://www.agcglass.com/Tools&Resources).
- Tempering & heat-strengthening** **Envision Solarshield**  
With the AGC Architectural Glass Visualizer you can see how SOLARSHIELD looks on a variety of buildings and under various conditions. Visit [www.agcglass.com/Tools & Resources](http://www.agcglass.com/Tools&Resources).
- Laminated** **Let AGC help build your spec**  
As the world's largest glass manufacturer, AGC offers the widest range of products. No matter what brand or type of glass you typically specify, there is an AGC product that will perform equally or better. If you have glass specifications that you would like re-written to reflect AGC products, contact a knowledgeable and helpful AGC architectural representative today.
- Standard thickness** **Availability**  
As part of AGC's commitment to providing world-class customer service, AGC distribution centers, strategically located throughout North America, provide you with easy, convenient, and fast access to the most popular AGC products. Contact AGC for product samples or for a distribution center near you.
- Optional thickness**
- Maximum size**