

# 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, Meadow Green, 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?

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| <p><b>Tinted glass in a range of nature inspired colors</b></p> <p><b>Unlimited design options for the building envelope and interiors</b></p> <p><b>Easy to process for a variety of applications</b></p> | <ul style="list-style-type: none"> <li>– Provides stunning aesthetics that blend harmoniously with the outdoor environment, or exterior finishes</li> <li>– Supports year-round energy efficiency in regions that rely on air-conditioning</li> <li>– Greater indoor comfort and reduced visual glare</li> <li>– Can be combined with low-e coated glass products to deliver customized energy performance</li> <li>– Ideal for use in atriums, skylights, spandrel and vision areas, as well as interior glass partitions and table tops</li> <li>– Can be heat-treated, laminated, bent or further processed, same as float glass</li> <li>– Can be used monolithically, or as part of an insulating unit</li> <li>– Store and handle same as traditional (clear) float glass</li> </ul> |
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### 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				
Insulating glazing unit: Based on 1" (25 mm) Unit: 1/4" (6 mm)   1/2" (13 mm) spacer   1/4" (6 mm)													
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 Meadow Green   Clear	Green	63	31	17	11	13	7	0.47	0.45	0.49	0.43	1.45	0.48
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. DW Index [T<sub>dw</sub>-ISO] is a comprehensive measure of UV and visible parts of the solar spectrum from 300 to 700 nanometers, and a more accurate measure of fading potential. Thermal stress analysis or building codes may determine the requirement for heat-treated glass. Contact AGC Technical Services at 888-234-8380 to ensure the correct form of glass to be supplied. For additional data performance and comparisons use our online Glass Calculator.

### Processing options

	Heat-Treating	Bending	Lamination	Ceramic frit
Solarshield	Yes	Yes	Yes	Yes

Please follow instructions in processing guides. Visit our website, or contact AGC Technical Services for assistance at 888-234-8380.

### AGC GLASS NORTH AMERICA, A LEADER IN FLAT GLASS

AGC Glass North America is the North American flat glass branch of AGC, the world's leading glassmaker. Its baseline, Beyond Glass, reflects its core assets: as a glass technology driven company, AGC operates on a broader premise that glass is more than just a design element and something to manage light and energy. It's an opportunity.

### Availability

Contact your AGC representative for available sizes and thicknesses.