



PRODUCT DESCRIPTION

AGC's exclusive Solarshield® product family offers high-quality tinted products for the commercial and residential markets. 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 a beautiful exterior—while increasing air-conditioning efficiency and comfort, reducing glare, and offering unobstructed views.

Made using the float process, Solarshield tinted solutions offer perfectly flat, parallel surfaces and lend themselves to many processing options—including insulating, heat-treating, back-painting, and laminating.

BENEFITS

- Supports year-round energy efficiency in regions that rely on air conditioning
- Increases interior comfort and reduces visual glare
- Low levels of light reflection
- Available in a range of colors
- Can be heat-treated, laminated, bent, or otherwise processed—just as traditional float glass
- Can be used monolithically or as part of an insulating unit
- Ideal for use in atriums, skylights, spandrels, windows, entrances, and storefronts
- Can be combined with coated glass products to deliver customized energy performance

Martha Jefferson Hospital

Location: Charlottesville, Virginia

Product: Solarshield Pure Green with high performance coating on #2 Surface/Clear

Architect: Kahler Slater, Milwaukee

General Contractor: Mortenson Construction, Milwaukee

Glazing Contractor: Glass and Metals, Harrisonburg, VA

COMMITTED TO ENVIRONMENTAL STEWARDSHIP

AGC Glass Company is committed to promoting environmental stewardship and sustainable building design. This commitment is evident in product innovations that optimize energy performance and improve natural daylighting. AGC's dedication to environmental responsibility extends to the company's manufacturing processes as well. AGC utilizes recycled, recovered, and reusable materials in its operations, including recycled packaging materials and returnable steel racks. Additionally, AGC's internal recycling program is designed to minimize waste and encourage environmental stewardship among employees.



AGC GLASS COMPANY NORTH AMERICA

us.agc.com

P: 888.234.8380

info@us.agc.com



PERFORMANCE DATA COMPARISONS

Solarshield® Tinted Insulating Glass - All data based on 1" (25mm) Unit: 1/4" (6mm) - 1/2" (13mm) spacer - 1/4" (6mm)

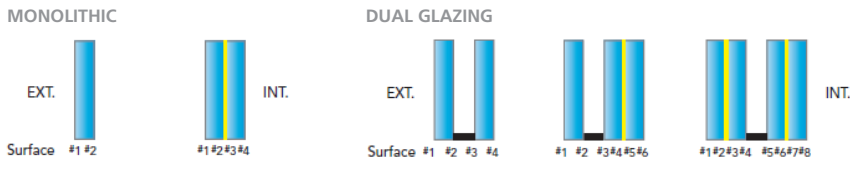
Product		Transmittance			Reflectance			Winter U-Value		Shading Coefficient	SHGC	LSG	DW Index
Outboard	Inboard	Visible	Solar	UV	Out	In	Solar	Air	Argon				
Solarshield Pure Grey	Clear	40%	35%	20%	7%	12%	6%	0.48	0.45	0.54	0.47	0.85	0.36
Solarshield Pure Grey	Energy Select 63 (3)	39%	26%	14%	6%	9%	10%	0.30	0.26	0.41	0.36	1.08	0.33
Solarshield Pure Bronze	Clear	48%	39%	19%	8%	12%	7%	0.48	0.45	0.58	0.51	0.94	0.38
Solarshield Pure Bronze	Energy Select 63 (3)	46%	29%	13%	7%	10%	12%	0.30	0.26	0.45	0.39	1.19	0.35
Solarshield Pure Green	Clear	68%	39%	25%	11%	13%	7%	0.47	0.45	0.58	0.50	1.37	0.56
Solarshield Pure Green	Energy Select 63 (3)	67%	32%	17%	9%	11%	9%	0.30	0.26	0.48	0.41	1.61	0.52
Solarshield Meadow Green	Clear	63%	31%	17%	11%	13%	7%	0.47	0.45	0.49	0.43	1.45	0.48
Solarshield Meadow Green	Energy Select 63 (3)	61%	26%	12%	9%	11%	7%	0.30	0.26	0.41	0.36	1.71	0.45
Solarshield Forest Green	Clear	58%	28%	12%	10%	13%	6%	0.47	0.45	0.46	0.40	1.45	0.44
Solarshield Forest Green	Energy Select 63 (3)	56%	24%	9%	8%	10%	6%	0.30	0.26	0.37	0.33	1.72	0.41
Solarshield Sky Blue	Clear	65%	39%	31%	11%	13%	7%	0.47	0.45	0.57	0.50	1.31	0.58
Solarshield Sky Blue	Energy Select 63 (3)	63%	31%	21%	9%	11%	9%	0.30	0.26	0.47	0.41	1.54	0.53
Solarshield Pure Blue	Clear	50%	35%	26%	8%	12%	7%	0.47	0.45	0.53	0.46	1.09	0.50
Solarshield Pure Blue	Energy Select 63 (3)	49%	27%	18%	7%	10%	9%	0.30	0.26	0.43	0.37	1.32	0.46
Solarshield Midnight Blue	Clear	31%	15%	14%	6%	11%	5%	0.47	0.45	0.34	0.29	1.05	0.32
Solarshield Midnight Blue	Energy Select 63 (3)	30%	13%	10%	6%	9%	5%	0.30	0.26	0.25	0.22	1.35	0.30

Performance values are based on representative production samples and product modeling data using LBNL Window 6.3 Software. Actual values may differ due to variations in the manufacturing process. Calculations based on generic clear. Environmental conditions based on NFRC 100-2010. Argon data based on 10% air and 90% argon. (3) indicates coating surface. 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. Damage Weight Index [Tdw-ISO] is a comprehensive measure of UV and visible parts of the solar spectrum from 300-700 nanometers, and a more accurate measure of fading potential. To obtain additional performance data use the AGC Glass Calculator at us.agc.com/glass-calculator.

PROCESSING CAPABILITIES



CONVENTIONS IN COATING POSITIONS



Indicates laminated interlayer positions

THE AGC VERTICAL INTEGRATION ADVANTAGE

AGC is a vertically integrated company, managing every process in the value chain. As a result, we're able to align all resources to deliver innovative solutions through a network of fabricators for architectural, interior, fire-rated, and residential glass applications.

Acid-Etched » Back-Painted » Clear and Tinted Float » Coated Glass » Custom Fabrication » Digital Imaging » Fire-Rated » Heat-Treated » Insulated » Laminated » Low-Iron » Reflective » Silk-Screen » Spandrel

GLASS CALCULATOR



Create quick and accurate glass configurations from our entire catalog of product offerings. Scan code to use the glass calculator.

us.agc.com/glass-calculator