

ENERGY SELECT



Versatile solar control low-e glass for moderate climates

Energy Select® is the family of low-emissivity coated glass products designed to meet and exceed the most stringent code requirements for commercial applications. These high performance glass solutions go beyond what is required today, positioning architects to meet the challenges of designing for the future. With a broad range of architectural low-e and tinted glass options, Energy Select provides aesthetic appeal and energy efficiency, meeting the design and performance requirements of each project. AGC has made choosing the right product easier: For Every Code. For Every Region.

Energy Select 40

What's so special about it?

What does this mean for you?

Solar control low-e coating on clear substrate

- Maximum visible light transmission 69% (VLT) and high performing solar control
- High visible light transmission 69% for plenty of natural daylighting

Neutral aesthetic Coating can be used on #2 or #3 surface

- Provides neutral clear aesthetic with low indoor and outdoor reflectance of 12%
- Ideal for using Solarshield tinted substrate on outboard and ES40 #3 for reduced glare, increased solar control and appealing aesthetic

Low-e coating technology

- Sputter-coating available in annealed and post-temperable
- Coating available on a select range of tinted substrates for increased solar control: see Energy Select 25
- Easy to process

Performances

Product name	Coating Position	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)

Energy Select 40	Surface 2	Neutral	69	34	17	12	12	31	0.29	0.25	0.44	0.39	1.79	0.53
------------------	-----------	---------	----	----	----	----	----	----	------	------	------	------	------	------

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 [Tdw-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.

Availability

Contact your AGC representative for available sizes and thicknesses.

COMMITTED TO ENVIRONMENTAL STEWARDSHIP

AGC is committed to producing quality products, while also 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 process as well. AGC utilizes recycled, recovered and reusable materials in its operations, including recycled packaging materials and returnable (reusable) steel racks. Additionally, AGC's internal recycling program is designed to minimize waste and encourage environmental stewardship among employees. AGC has multiple manufacturing facilities in the United States that produce a full range of glazing solutions, utilizing (98%) raw materials that are also sourced domestically. AGC quality management system: ISO 9001:2008 certified.



AGC GLASS COMPANY NORTH AMERICA, A LEADER IN FLAT GLASS

AGC Glass Company 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.