



ENERGY Select® R42

High Performance Single-Silver Low-E Coated Glass

With its low SHGC and high reflectivity, AGC ENERGY Select R42 is the perfect choice for high-rise residential and architectural facades. As an outstanding solar blocker, ENERGY Select R42 is the natural choice for regions where air conditioning is used most of the year. To meet the high aesthetic needs of today's architects, ENERGY Select R42 offers excellent light transmission and an aesthetically neutral reflectance.

ENERGY Select R42

What's so special about it?

What does this mean for you?

Solar control low-e with stunning reflectance

- Moderate solar control and good U-value for cooler regions
- High visible light transmission of 62% (VLT) for plenty of natural daylighting
- Ideal for commercial applications and residential high-rise

Legendary neutral reflective coating

- High-level outdoor reflectance of 26%
- Neutral reflectance provides uniform appearance for building envelope

Low-e coating technology

- Sputter coating designed for unique aesthetic and energy efficiency
- Versatile product for regions where air conditioning is used most of the year, while still providing energy savings in cooler temperatures with a 0.25 (Argon) winter U-value

Performance

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	Solar	UV	Out	In	Solar	Air	Argon				
Insulating glazing unit: Based on 1" (25mm) Unit: 1/4" (6mm) 1/2" (13mm) spacer 1/4" (6mm)														
Energy Select R42	Surface 2	Neutral	62	37	22	26	21	33	0.30	0.25	0.49	0.42	1.46	0.48

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/glasscalculator.

- Exterior use only
- Insulating
- Tempering & heat-strengthening
- Laminated
- Standard thickness
1/4" (6mm)
- Optional thickness
5/16" (8mm)
3/8" (10mm)

IGU configurations

There are virtually unlimited ENERGY Select R42 IGU configurations that are possible with this product. Please contact AGC for more information.

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.

Envision Energy Select R42

With the AGC Architectural Glass Visualizer you can see how Energy Select looks on a variety of buildings and under various conditions. Visit www.agcglass.com Tools & Resources.

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.

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.