

Low-E Glass for Solar Control



GLASS UNLIMITED

FOCUS ON
ENERGY SAVING
IN TROPICAL CLIMATE

SUNERGY COOL

Improving energy efficiency with Low-E glass coatings

SUNERGY COOL

AGC introduces the new Sunergy Cool, a product that complements the well known Sunergy range, benefitting from high quality coatings that are applied using an online pyrolytic coating process.

Sunergy Cool has been highly prized for its superb performance, durability and pleasing aesthetics globally. With an excellent lower SC (shading coefficient) and neutral greyish appearance, Sunergy Cool is developed with current architectural trends in mind. The enhanced Sunergy range promises versatility in a wide range of applications.

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

- Excellent Solar Energy Shading with Low SC value**
- Offers good solar control (solar shading) performance for comfort
 - Delivers low emissivity properties and thermal insulation
 - Energy efficient glass that reduces energy cost

- Superb Appearance and Visual Comfort**
- Offers a Neutral greyish tone that is in line with current architecture trends
 - Good performance coating on clear glass optimises vision and clarity

- Low Light Reflection Values**
- Delivers good light transmittance
 - Enhances interior visual comfort, thanks to low internal reflectance value

- Durable Online Coating Technology**
- Offers multiple processing possibilities (tempering, curving, laminating, IGU, etc)
 - Available for single glazing usage
 - Easy handling and processing for processors (no edge deletion required)
 - Long storage shelf life

- Production in Asia** - Shorter delivery lead time to Asia customers

Product Availability

Sunergy Cool is available in the following standard thicknesses (5, 6, 8mm) and dimensions (2250 x 3210mm, 2550 x 3210mm, 4500 x 3210mm, 5100 x 3210mm).

Technical Data

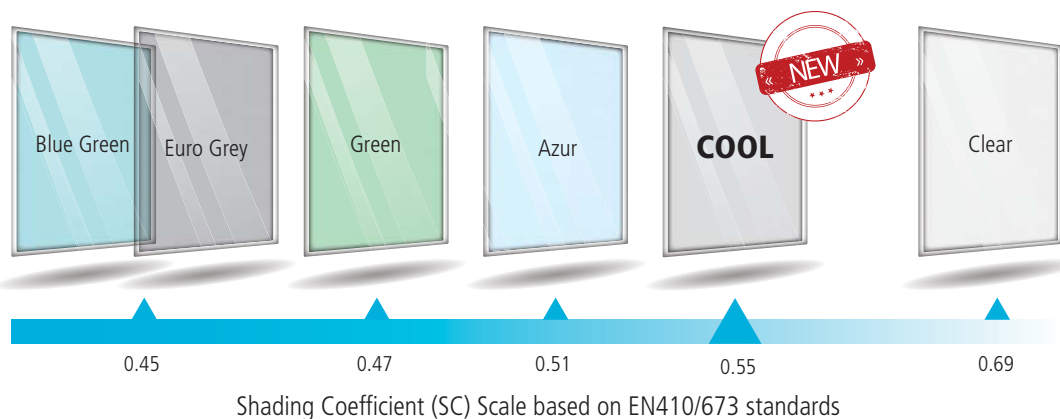
Type of glass	Light Performances			Energy Performances						U Value		
	EN			EN	ISO	NFRC	EN	ISO	NFRC	EN	ISO	NFRC
	LT (%)	LR Out (%)	LR In (%)	SF (%)	SHGC (%)	SC			W/m ² K		U-Summer W/m ² K	
6mm Single - Coating position # 2												
Sunergy Clear	69	9	11	60	61	60	0.69	0.70	0.69	4.1	4.1	3.3
Sunergy Cool	50	7	9	48	49	49	0.55	0.56	0.57	4.4	4.4	3.7
Sunergy Azur	56	7	10	44	43	45	0.51	0.49	0.42	4.1	4.1	3.4
Sunergy Green	56	7	10	41	42	42	0.47	0.48	0.48	4.1	4.1	3.3
Sunergy Euro Grey	34	6	8	39	40	42	0.45	0.46	0.48	4.1	4.1	3.3
Sunergy Blue Green	47	7	9	39	40	40	0.45	0.46	0.47	4.1	4.1	3.4
Insulating Unit (IGU)												
Sunergy Cool (#2) 6mm + 16mm(air) + Clear 6mm	45	9	15	39	39	40	0.45	0.45	0.46	2.1	2.1	2.1
Sunergy Cool (#2) 6mm + 16mm(air) + Planibel-G 6mm (#4)	41	9	17	36	36	36	0.42	0.42	0.41	1.7	1.7	1.5

- The energy properties are calculated according to EN 410/673, ISO 9050/10292, NFRC 100-2010.
- The tolerance of published data with respect to photometric properties is +/- 3 points
- The U Value tolerance is +/- 0.1 W/(m².K)
- Specifications, technical and other data are based on information available at the time of preparation of this document and are subject to change without notice. AGC can not be held responsible for any deviation between the data introduced and the conditions on site.

Your concerns are... | What are your processing options?

- Safety**
 - Tempering or Heat Strengthening
 - Lamination (recommended coating on #4 when used as a single laminated glass)
 - IGU
- Cutting**
 - Straight or Circular
- Shaping and edge finishing**
 - Edge Grinding
 - Hole drilling
 - Notches
- Special treatment**
 - Curving

FUNCTIONALITY MEETS AESTHETIC



Shading Coefficient (SC) Scale based on EN410/673 standards

Disclaimer: Illustrated colors are only an indication of actual color. Please refer to actual glass samples to get the accurate glass color.

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The logo for AGC, consisting of the letters 'AGC' in a bold, blue, sans-serif font. The 'A' and 'G' are connected, and the 'C' is separate. There is a small red square above the 'C'.

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