

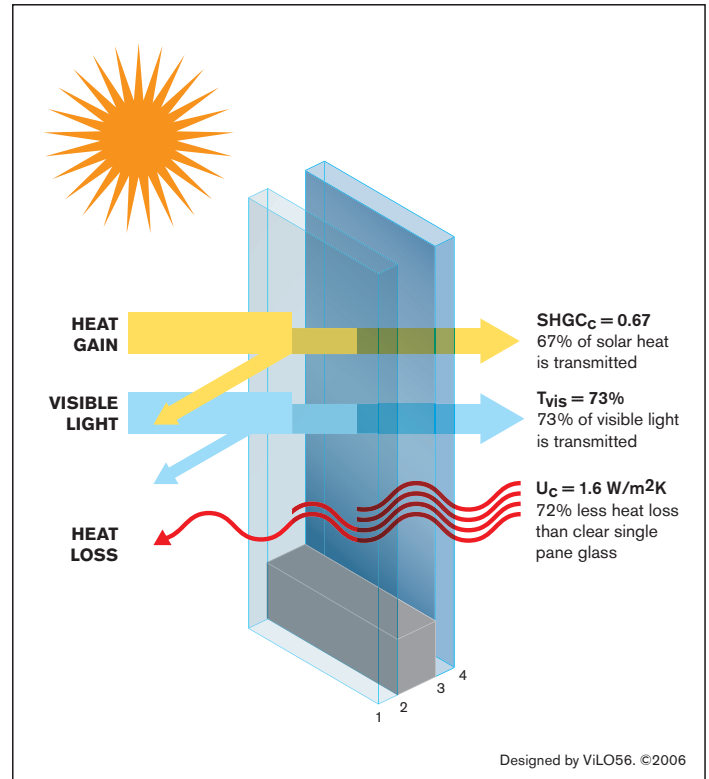
Certincoat® Low E Coating

With one-third of the world's energy being used to heat and cool buildings, the rapidly growing building industry is focusing on a "greener" future. Certincoat® Pyrolytic Low E CVD is the world's first commercial turnkey online CVD application system having the capability to produce glass that will take you there.

Characteristics

Certincoat® Low E coating is a pyrolytic multilayer coating and energy efficient glazing product designed to prevent heat loss from the warm interior to the cold exterior. As a result, Certincoat® Low E glass reduces building energy consumption and utility costs, especially in colder and mixed climates. Certincoat® Low E features:

- **Energy Efficiency**
Low emissivity, 80% lower than monolithic clear glass
- **Color Neutrality**
Multi-layer coating prevents iridescent appearance
- **High Transmission**
Allows in high percentage of sunlight
- **Flexibility**
Can be treated with standard float glass techniques and installed into IG units with no special handling procedures
- **Durability**
Handles just like regular glass and offers unlimited shelf life



Certincoat® Low E coatings allow solar heating from the sun to pass while simultaneously preventing heat loss from the warm interior to the cold exterior.

Technical Data

	Emissivity, ϵ	U_c ¹ (W/m²K)	SHGC _c ¹	SC _c ¹	T_{vis} ¹
Certincoat® Low E Insulated Glass ²	0.16	1.6	0.67	0.77	73%
Certincoat® Low E Monolithic Glass ³	0.16	3.9	0.74	0.85	83%
Uncoated Clear Monolithic Glass	0.84	5.8	0.82	0.94	88%

¹ T_{vis} , U_c , SHGC_c, & SC_c – All center of glass values calculated with NFRC 100-2001 conditions.

²Insulated Glass Unit consists of 6 mm uncoated clear glass with 12.7 mm Argon-filled space followed by 6 mm Certincoat® Low E glass (coating on #3 surface).

³Values calculated with coating on #2 surface.

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See MSDS for Health & Safety Considerations.

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Arkema Inc., 2000 Market Street, Philadelphia, PA 19103, USA
 TEL: (01) 610-878-6931 FAX: (01) 610-878-6259
 www.certincoat.com

