

Certincoat® SunE Coating

Certincoat® SunE coating combines solar control with low emissivity in a neutral color hard ceramic coating suitable for either monolithic or insulating glazing. Certincoat® SunE coating allows in the visible light but prevents infrared heat from entering, keeping the interior cool in the summer time. Certincoat® SunE features:



Patented Formulation

- Proven chemistry
- Solar control and low emissivity layer
- Capable of adjusting SHGC, SC, T_{vis} to fit customer's market needs

Outstanding Thermal Properties

- Energy efficiency with ϵ and U_c values comparable to Certincoat® Low E
- Reduced solar heat gain
- Neutral reflected color

Durability and Flexibility

- Pyrolytic coating
- No special handling requirements
- Ease in use during cutting, insulating, heat treating, and bending

Technical Data

Certincoat® SunE and Certincoat® Low E Insulated Glass Unit Values

	Emissivity, ϵ	U_c ¹ (W/m ² K)	SHGC _c ¹	SC _c ¹	T_{vis} ¹
Certincoat® SunE Insulated Glass ²	0.17	1.6	0.40	0.46	45%
			0.42	0.48	50%
			0.44	0.51	54%
			0.50	0.57	62%
			0.52	0.60	64%
Certincoat® Low E Insulated Glass ³	0.16	1.6	0.67	0.77	73%
Uncoated Bronze ²	0.84	2.5	0.50	0.58	47%
Uncoated Clear ²	0.84	2.5	0.70	0.81	79%

Certincoat® SunE Monolithic Glass Values

	Emissivity, ϵ	U_c ¹ (W/m ² K)	SHGC _c ¹	SC _c ¹	T_{vis} ¹
Certincoat® SunE Monolithic Glass ⁴	0.17	3.7	0.48	0.55	49%
			0.50	0.57	55%
			0.53	0.61	60%
			0.58	0.67	68%
			0.60	0.69	71%
Uncoated Bronze	0.84	5.8	0.62	0.72	53%
Uncoated Clear	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 Certincoat® SunE glass (coating on #2 surface) or tinted glass with 12.7 mm Argon-filled space followed by 6 mm uncoated clear glass.

³Insulated 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).

⁴Values calculated with coating on #2 surface.

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See MSDS for Health & Safety Considerations.

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