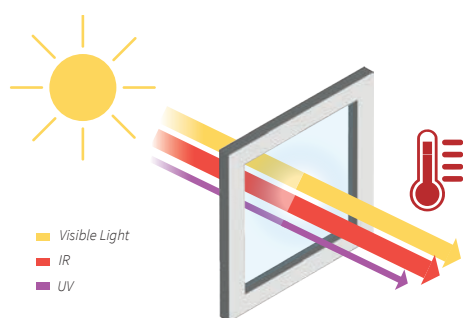


Smart Shading Solutions for Energy Efficiency and Indoor Comfort

RHODETEC solar control films and shading systems help buildings meet modern sustainability standards. By optimizing energy performance, improving indoor environmental quality, and using safe, low-emission materials.



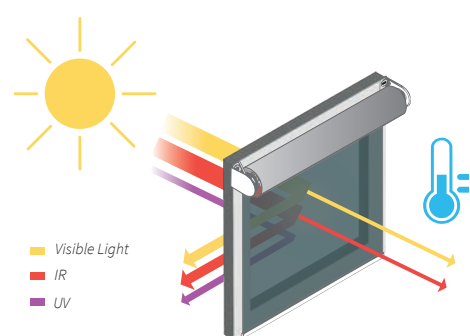
How Solar Control Films Work. Even from the Inside.



The Challenge

Sun light fills indoor spaces with natural daylight and keeps visual connection to the outside world. But too much solar radiation can cause glare, overheating, and discomfort.

Once sunlight enters a building, it turns into heat.



The Solution

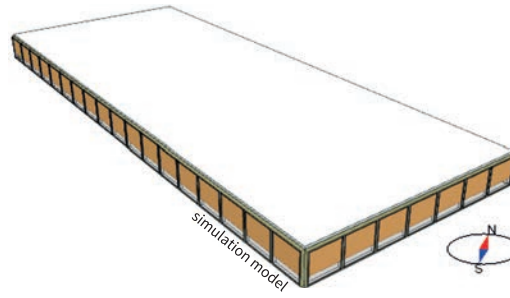
When installed internally, RHODETEC Shade Films reflect solar energy back toward the glass, redirecting it outward - as glass allows reflected rays to pass equally in both directions.

Proven performance

- Shade Films reflect up to 84% of solar energy
- With glazing, they can block over 85% of IR-heat
- Significantly reduces heat gain and cooling costs

Model Data

Software	ESBO (4.2.4)
Office floor size	12,206 sqft
Window area	2,411 sqft
Glass fronts	SE / SW / NW
Solar Shade	RHODETEC SiGr01
Shading Control	preserve heat (summer) get heat (winter)



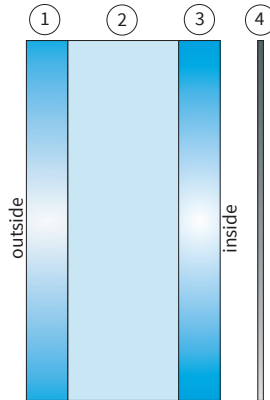
RHODETEC
across the spectrum

Los Angeles, CA

IGU

- 1 1/4" Solar Control 70/35 (#2)
- 2 5/8" Air
- 3 1/4" Clear Glass
- 4 SiGr01

	IGU	IGU + Solar Shade	Gain
SHGC	0.40	0.19	53%
U-factor [BTU/h ft ² °F]	0.25	0.19	24%

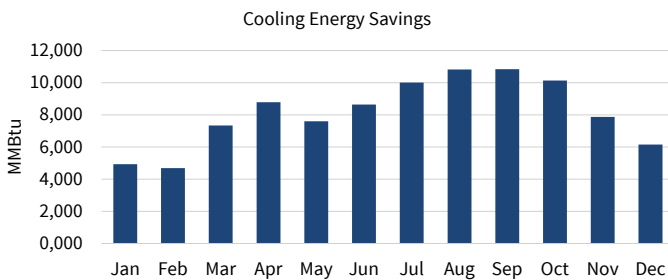


Seattle, WA

IGU

- 1 1/4" Solar Control 70/35 (#2)
- 2 5/8" Argon (90%)
- 3 1/4" Clear Glass
- 4 SiGr01

	IGU	IGU + Solar Shade	Gain
SHGC	0.40	0.20	50%
U-factor [BTU/h ft ² °F]	0.20	0.16	20%

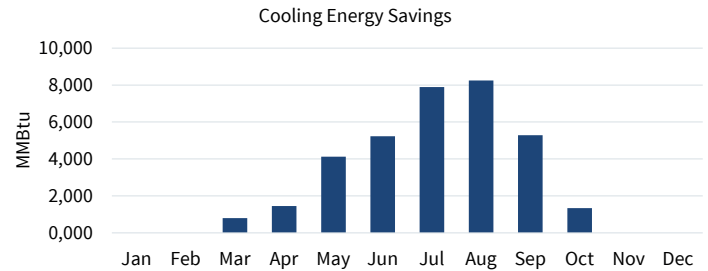


Cooling Energy Savings

27.8%

8,015

Btu / ft² per year



Cooling Energy Savings

25.9%

2,815

Btu / ft² per year

Ready to Save on Energy Expenses?

Contact Us!



Contact form

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✉ info@rhdtec.com