

CELESTE

ENERGY-SAVING FILM



**BENEFITS**

- Rejects up to 71% of solar energy, reducing energy costs, heat build-up, and glare
- Blocks up to 99.9% of ultraviolet rays, helping to protect furnishings by reducing premature fading
- Blue-gray hue with low interior and high exterior reflectivity
- Reduces glare and eye fatigue
- Optically-clear sputtered film with advanced color stable technology
- Manufacturer's warranty\*

**RECOMMENDED APPLICATIONS**

- Schools and Universities
- Public Buildings
- Health Care Facilities
- Commercial Offices
- Hotels
- Homes



\* Ask your dealer about warranty details.

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GLASS TYPE	RESIDENTIAL 1/8" (3 mm)		COMMERCIAL 1/4" (6 mm)	
	SINGLE PANE CLEAR	DUAL PANE CLEAR	SINGLE PANE CLEAR	DUAL PANE CLEAR
Visible Light Transmittance	20%	19%	20%	18%
Total Solar Energy Rejected	71%	60%	69%	59%
Solar Heat Gain Coefficient	0.29	0.40	0.31	0.41
Winter Median U-Value	0.96	0.48	0.96	0.47
Glare Reduction	78%	77%	77%	77%
Ultraviolet Rejected	99.9%	99.9%	99.9%	99.9%
Total Solar Transmittance	15%	13%	14%	11%
Total Solar Reflectance	38%	35%	31%	27%
Total Solar Absorptance	47%	52%	55%	62%
Visible Light Reflectance: Exterior	39%	41%	37%	38%
Visible Light Reflectance: Interior	20%	21%	20%	21%
Shading Coefficient	0.34	0.47	0.36	0.48
Emissivity	0.68	0.68	0.68	0.68
Light to Solar Heat Gain Ratio	0.69	0.48	0.65	0.44
Summer Solar Heat Gain Reduction	66%	47%	62%	41%
Winter Heat Loss Reduction	7%	0%	7%	0%

DESIGNED TO SAVE ENERGY, REDUCE GLARE, AND REJECT UV RAYS WHILE MAINTAINING EXTERIOR VIEWS

Dual-Reflective Films offer superior energy savings through lower interior reflectivity and higher exterior reflectivity allowing for excellent views to the outside both day and night. These films have a blue-gray appearance and are traditionally installed on commercial buildings, but have popularity in homes in regions with high levels of sunlight.

All solar properties have been measured in accordance with NFRC standards. All values averaged from routinely accumulated quality control data.