

# Clear View Clear Savings

Ceramic



## Benefits

- Rejects up to 80% of the sun's heat producing infrared rays\*
- Non-metalized film with natural tone for amazing clarity
- Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading
- Excellent scratch resistant coating
- Comprehensive warranty from 3M

Visible Light Transmission	★ ★ ★
Infrared Rejection	★ ★ ★
Energy Savings	★ ★
Glare Rejection	★ ★

*In comparison to other 3M™ Sun Control Window Films*

Best ★★★★★ Better ★★★ Good ★★ Fair ★

\*IR Rejection as measured from 900–1000 nm

## Valued Associations & Alliances



# Ceramic Case Study

First Mariner Building, Baltimore, Maryland

Climate Zone 5

Tallest Building in Baltimore





Payback period — less than 4 years

Customer Issues:

- High energy costs and consumption
- Maintain the look of the building



## Product Performance & Technical Data

Glass Type (All 1/4")	Film Type	Visible Light			Total Solar Energy Rejected	Solar Heat Gain Coefficient	U Value	Solar Heat Reduction	UV Light Rejected	Glare Reduction	Visible Light to Solar Heat Gain Ratio
		Reflected (Interior)	Reflected (Exterior)	Transmitted							
 Clear	CM30	15%	17%	36%	59%	0.41	1.02	50%	99%	60%	0.9
	CM40	12%	14%	44%	53%	0.47	1.03	43%	99%	50%	0.9
	CM50	10%	12%	53%	47%	0.53	1.03	35%	99%	40%	1.0
 Tinted	CM30	15%	9%	21%	63%	0.38	1.02	40%	99%	60%	0.6
	CM40	11%	8%	27%	59%	0.41	1.03	34%	99%	50%	0.6
	CM50	9%	7%	32%	55%	0.45	1.03	28%	99%	40%	0.7
 Double Clear	CM30	16%	22%	32%	50%	0.50	0.47	28%	99%	60%	0.6
	CM40	14%	20%	40%	46%	0.54	0.47	23%	99%	50%	0.7
	CM50	12%	18%	47%	43%	0.57	0.47	18%	99%	40%	0.8
 Double Tinted	CM30	16%	11%	19%	62%	0.38	0.47	25%	99%	60%	0.5
	CM40	13%	10%	24%	60%	0.40	0.47	21%	99%	50%	0.6
	CM50	11%	9%	28%	58%	0.43	0.47	16%	99%	40%	0.7

## LEED Certification

Window films may be used towards the following LEED credits:

- SS-8
- EA-1
- MR 1.1-1.2
- MR 5.1-5.2
- EQ-7.1
- EQ-7.2
- EQ-8.1-8.2
- ID

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