

**3M** Science.  
Applied to Life.™

Ceramic

## Control the sun with ceramics. 3M™ Sun Control Window Film Ceramic Series.

- ▶ 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 ★★★★★

Best ★★★★★

Better ★★★★★

Good ★★★★★

Fair ★★

Not Recommended ★

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

## Performance and clarity you can count on.



**Solar Tint** 

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 [solar tint.com](http://solar tint.com)

 [st.graphics](http://st.graphics)

**ST** Graphics  
Signs, Environmental Graphics & More

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## Climate Zone 5

First Mariner Building, Baltimore, Maryland

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 and Technical Data

Glass Type (All 1/4")	Film Type	Visible Light			Total Solar Energy Rejected	Solar Heat Gain Coefficient (G Value)	U Value		Solar Heat Reduction	UV Light Rejected	Glare Reduction	Visible Light to Solar Heat Gain Ratio
		Reflected (Interior)	Reflected (Exterior)	Transmitted			btu/ hft <sup>2</sup> F	w/ m <sup>2</sup> K				
 Clear	CM30	15%	17%	36%	59%	0.41	1.02	5.8	50%	99%	60%	0.9
	CM40	12%	14%	44%	53%	0.47	1.03	5.8	43%	99%	50%	0.9
	CM50	10%	12%	53%	47%	0.53	1.03	5.8	35%	99%	40%	1.0
 Tinted	CM30	15%	9%	21%	63%	0.38	1.02	5.8	40%	99%	60%	0.6
	CM40	11%	8%	27%	59%	0.41	1.03	5.8	34%	99%	50%	0.6
	CM50	9%	7%	32%	55%	0.45	1.03	5.8	28%	99%	40%	0.7
 Double Clear	CM30	16%	22%	32%	50%	0.50	0.47	2.7	28%	99%	60%	0.6
	CM40	14%	20%	40%	46%	0.54	0.47	2.7	23%	99%	50%	0.7
	CM50	12%	18%	47%	43%	0.57	0.47	2.7	18%	99%	40%	0.8
 Double Tinted	CM30	16%	11%	19%	62%	0.38	0.47	2.7	25%	99%	60%	0.5
	CM40	13%	10%	24%	60%	0.40	0.47	2.7	21%	99%	50%	0.6
	CM50	11%	9%	28%	58%	0.43	0.47	2.7	16%	99%	40%	0.7

## LEED Certification

Window films may be used toward the following LEED credits

▶ SS-8

▶ MR 1.1-1.2

▶ EQ-7.1

▶ EQ-8.1-8.2

▶ EA-1

▶ MR 5.1-5.2

▶ EQ-7.2

▶ ID

**Warranty and Limited Remedy:** 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If the 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.

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