



Reject the heat, not the light. 3M™ Sun Control Window Film Ceramic Architectural Series.

- High visible light transmission providing excellent aesthetics
- Low interior and exterior reflectivity enhances views while maintaining exterior appearance.
- Stay cooler by reducing excessive heat in warmer months
- 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
- 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

Enjoy exterior views with good performance.



Valued
Associations
and Alliances:



CLINTON
CLIMATE
INITIATIVE



Product Performance and Technical Data

Glass Type (All 1/4")	Film Type	Visible Light Reflected (Interior)	Visible Light Reflected (Exterior)	Visible Light Transmitted	Total Solar Energy Rejected	Solar Heat Gain Coefficient (G Value)	U Value btu/hft ² F	U Value w/m ² K	Solar Heat Reduction	UV Light Rejected	Glare Reduction	Visible Light to Solar Heat Gain Ratio
 Clear	CA35	6%	6%	37%	55%	0.45	1.02	5.8	45%	99.8%	58%	0.8
	CA45	6%	6%	45%	52%	0.48	1.06	5.9	41%	99.8%	49%	0.9
	CA60	7%	7%	62%	48%	0.53	1.06	5.9	36%	99.7%	30%	1.2
	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]
 Tinted	CA35	5%	6%	22%	60%	0.40	1.02	5.8	37%	99.8%	58%	0.6
	CA45	5%	5%	27%	58%	0.42	1.06	5.9	34%	99.9%	49%	0.6
	CA60	6%	6%	37%	55%	0.45	1.06	5.9	29%	99.8%	30%	0.8
	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]
 Double Clear	CA35	7%	13%	33%	44%	0.56	0.47	2.7	20%	99.7%	58%	0.6
	CA45	8%	13%	40%	42%	0.58	0.48	2.7	18%	99.8%	49%	0.7
	CA60	10%	14%	55%	41%	0.60	0.48	2.7	15%	99.7%	30%	0.9
	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]	[■]
 Double Tinted	CA35	6%	8%	20%	58%	0.42	0.47	2.7	18%	99.9%	58%	0.5
	CA45	7%	8%	24%	57%	0.43	0.48	2.7	16%	99.9%	49%	0.6
	CA60	9%	8%	33%	56%	0.44	0.48	2.7	13%	99.8%	30%	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
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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.



Product Description

- High Clarity, Competitive Solar Heat Gain Coefficient
- Helps reduce glare.
- Helps reduce air conditioning costs.
- Stay cooler by reducing excessive heat in warmer months.
- Helps prolong the life and vibrancy of fabric, furniture and carpets.

Product Performance & Technical Data

CA35								
	Single Pane		Tinted		Double Pane		Double tinted	
Film	1/4" Clear	CA35	1/4" tint	CA35	Dual 1/4" Clear	CA35	Dual 1/4" Tint	CA35
Solar Heat Gain Coefficient	0.82	0.45	0.63	0.40	0.70	0.56	0.51	0.42
Visible Light Transmitted	88%	37%	53%	22%	79%	33%	47%	20.%
Visible Light Reflected Interior	8%	6%	6%	5%	15%	7%	13%	6%
Visible Light Reflected Exterior	8%	6%	6%	5%	15%	13%	8%	8%
U Value	1.03	1.02	1.03	1.02	0.47	0.47	0.47	0.47
UV Block	43%	99%	NA	99%	NA	99%	NA	99%
Total Solar Energy Rejected	18%	55%	37%	60%	30%	44%	49%	58%
Glare Reduction	NA	58%	NA	58%	NA	58%	NA	58%
Heat Loss Reduction	NA	0%	NA	0%	NA	0%	NA	0%
Solar Heat Reduction	NA	45%	NA	37%	NA	20%	NA	18%

Commercial Solutions Division

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Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty

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Limited Remedy

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No Extension of Warranty

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Product Performance & Technical Data

CA45								
	Single Pane		Tinted		Double Pane		Double tinted	
Film	1/4" Clear	CA45	1/4" tint	CA45	Dual 1/4" Clear	CA45	Dual 1/4" Tint	CA45
Solar Heat Gain Coefficient	0.82	0.48	0.63	0.42	0.70	0.58	0.51	0.43
Visible Light Transmitted	88%	45%	53%	27%	79%	40%	47%	24%
Visible Light Reflected Interior	8%	6%	6%	5%	15%	8%	13%	7%
Visible Light Reflected Exterior	8%	6%	6%	5%	15%	13%	8%	8%
U Value	1.03	1.06	1.03	1.06	0.47	0.48	0.47	0.48
UV Block	43%	99%	NA	99%	NA	99%	NA	99%
Total Solar Energy Rejected	18%	52%	37%	58%	30%	42%	49%	57%
Glare Reduction	NA	49%	NA	49%	NA	49%	NA	49%
Heat Loss Reduction	NA	-3%	NA	-3%	NA	-2%	NA	-2%
Solar Heat Reduction	NA	41%	NA	34%	NA	18%	NA	16%

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- High visible light transmission.
- Helps reduce air conditioning costs.
- Stay cooler by reducing excessive heat in warmer months.
- Helps prolong the life and vibrancy of fabric, furniture and carpets.

Product Performance & Technical Data

<u>CA60</u>								
	Single Pane		Tinted		Double Pane		Double tinted	
Film	1/4" Clear	CA60	1/4" tint	CA60	Dual 1/4" Clear	CA60	Dual 1/4" Tint	CA60
Solar Heat Gain Coefficient	0.82	0.53	0.63	0.45	0.70	0.60	0.51	0.44
Visible Light Transmitted	88%	62%	53%	37%	79%	55%	47%	33%
Visible Light Reflected Interior	8%	7%	6%	6%	15%	10%	13%	9%
Visible Light Reflected Exterior	8%	7%	6%	6%	15%	14%	8%	8%
U Value	1.03	1.06	1.03	1.06	0.47	0.48	0.47	0.48
UV Block	43%	99%	NA	99%	NA	99%	NA	99%
Total Solar Energy Rejected	18%	48%	37%	55%	30%	41%	49%	56%
Glare Reduction	NA	30%	NA	30%	NA	30%	NA	30%
Heat Loss Reduction	NA	-3%	NA	-3%	NA	-1%	NA	-1%
Solar Heat Reduction	NA	36%	NA	29%	NA	15%	NA	13%

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