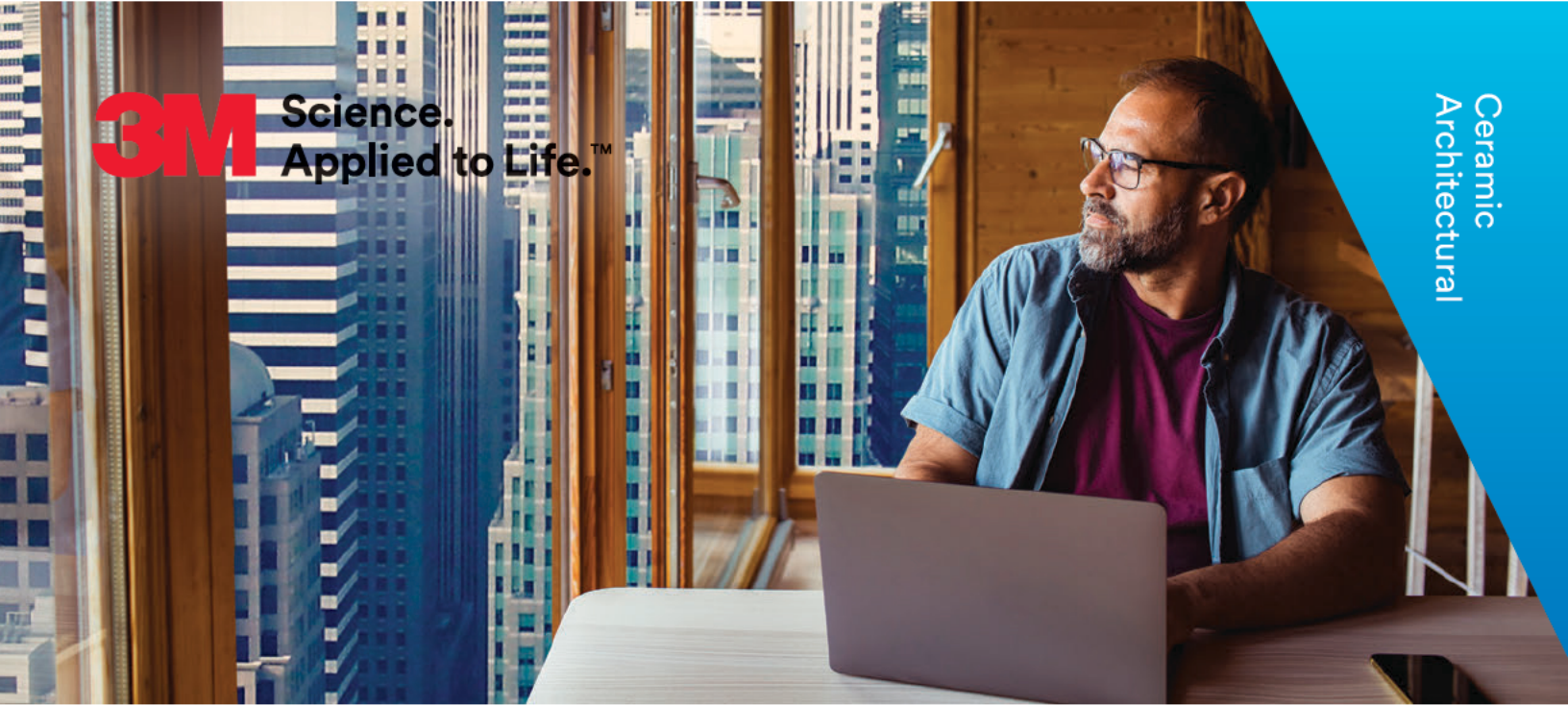


3M Science.
Applied to Life.™

Ceramic
Architectural



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/hft²F	U Value w/m²K	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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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%

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Product Description

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- 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

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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Product Description

- High Visible Light, High Clarity, Competitive Solar Heat Gain Coefficient
- 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

CA60								
	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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