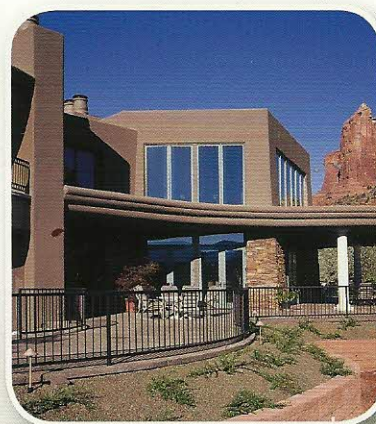
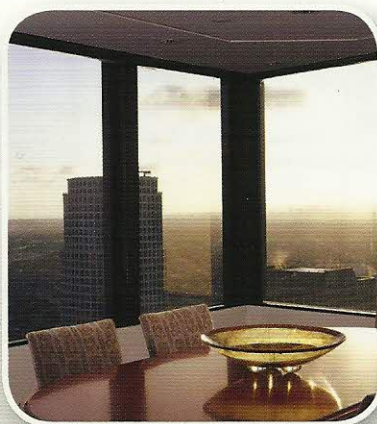
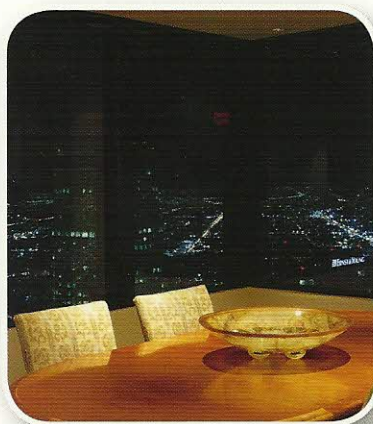


Low Reflection View Perfection

Night Vision



Benefits

- Great heat rejection helps provide energy savings and improved comfort
- Enhanced views with low interior and exterior reflectivity, especially at night
- Helps reduce glare and eye discomfort
- Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading
- Excellent scratch resistant coating
- 3M nanotechnology enhances color stability
- Comprehensive warranty from 3M – the most trusted global brand in window films

Energy Savings	★★★★
Heat Rejection	★★★★
Glare Rejection	★★★★

Best ★★★★★ Better ★★★ Good ★★ Fair ★

Valued Associations & Alliances



CLINTON
CLIMATE
INITIATIVE

3M

Night Vision Case Study

Embarcadero Center, San Francisco, California

Climate Zone 3

345,000 sq ft installation of Night Vision 25





Payback period - Less than 1 year

Customer Issues:

- High energy costs and consumption
- Tenant comfort issues due to direct sun



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	Luminous Efficacy
		Reflected (interior)	Reflected (exterior)	Transmitted							
 Clear	Night Vision 15	11%	38%	15%	72%	0.28	0.98	66%	99%	83%	0.5
	Night Vision 25	7%	19%	24%	61%	0.39	1.00	52%	99%	73%	0.6
	Night Vision 35	7%	13%	36%	52%	0.48	1.03	41%	99%	59%	0.7
 Tinted	Night Vision 15	11%	16%	9%	70%	0.30	0.98	52%	99%	82%	0.3
	Night Vision 25	7%	10%	14%	64%	0.36	1.00	43%	99%	74%	0.4
	Night Vision 35	6%	8%	22%	58%	0.42	1.03	33%	99%	58%	0.5
 Double Clear	Night Vision 15	11%	39%	14%	60%	0.40	0.46	43%	99%	82%	0.4
	Night Vision 25	8%	24%	22%	51%	0.49	0.47	29%	99%	72%	0.4
	Night Vision 35	8%	19%	32%	45%	0.55	0.47	21%	99%	60%	0.6
 Double Tinted	Night Vision 15	11%	17%	8%	68%	0.32	0.46	37%	99%	83%	0.3
	Night Vision 25	8%	12%	13%	63%	0.37	0.47	27%	99%	73%	0.4
	Night Vision 35	8%	10%	19%	59%	0.41	0.47	19%	99%	60%	0.5

LEED Certification

Window films may be used towards 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, Limited Remedy, and Disclaimer:

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. 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. Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. **3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE.** If the 3M product does not conform to this warranty, then 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, including warranty, contract, negligence or strict liability.



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3M.com/windowfilm

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