



Enjoy enhanced views, savings and comfort with 3M™ Sun Control Window Film Night Vision™ Series.

- ▶ Great heat rejection helps provide energy savings and improved comfort
- ▶ Enhanced views with low interior 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 nano-technology enhances color stability
- ▶ Comprehensive warranty from 3M

Energy Savings ★★★★★

Heat Rejection ★★★★★

Glare Reduction ★★★★★

Interior Visible Reflection ★★★★★

Best ★★★★★

Better ★★★★

Good ★★★

Fair ★★

Not Recommended ★

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

**Save energy by day.
Enhance views by night.**



3M™ Sun Control Window Film Night Vision™ 25 Case Study — Embarcadero Center 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 due to direct sun



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/ hft²F | w/ m²K | | | | |
| Clear | Night Vision 15 | 9% | 35% | 13% | 72% | 0.28 | 0.99 | 5.6 | 66% | 99.9% | 85% | 0.5 |
| | Night Vision 25 | 9% | 24% | 24% | 63% | 0.37 | 1.01 | 5.7 | 52% | 99.9% | 73% | 0.6 |
| | Night Vision 35 | 7% | 14% | 33% | 54% | 0.46 | 1.03 | 5.8 | 41% | 99.9% | 63% | 0.7 |
| Tinted | Night Vision 15 | 9% | 16% | 8% | 69% | 0.31 | 0.99 | 5.6 | 52% | 99.9% | 85% | 0.3 |
| | Night Vision 25 | 9% | 12% | 14% | 64% | 0.36 | 1.01 | 5.7 | 43% | 99.9% | 73% | 0.4 |
| | Night Vision 35 | 7% | 8% | 20% | 59% | 0.41 | 1.03 | 5.8 | 33% | 99.9% | 63% | 0.5 |
| Double Clear | Night Vision 15 | 9% | 37% | 12% | 60% | 0.40 | 0.47 | 2.6 | 43% | 99.9% | 85% | 0.3 |
| | Night Vision 25 | 10% | 28% | 22% | 53% | 0.47 | 0.47 | 2.7 | 29% | 99.9% | 73% | 0.5 |
| | Night Vision 35 | 8% | 19% | 30% | 46% | 0.54 | 0.47 | 2.7 | 21% | 99.9% | 63% | 0.6 |
| Double Tinted | Night Vision 15 | 9% | 16% | 7% | 68% | 0.32 | 0.47 | 2.6 | 37% | 99.9% | 85% | 0.2 |
| | Night Vision 25 | 10% | 13% | 13% | 64% | 0.36 | 0.47 | 2.7 | 27% | 99.9% | 73% | 0.4 |
| | Night Vision 35 | 8% | 10% | 18% | 59% | 0.41 | 0.47 | 2.7 | 19% | 99.9% | 63% | 0.4 |

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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