

3M Science.
Applied to Life.™

All Season Series



Save energy, enhance comfort and enjoy a fast payback with 3M™ All Season Window Film Series.

- ▶ Improves comfort during the cold winter months as well as during the heat of summer
- ▶ High heat rejection helps provide energy savings in the summer
- ▶ Increased insulation helps provide energy savings in the winter
- ▶ Potential payback in less than 3 years
- ▶ Reduces glare which may help improve productivity at work stations
- ▶ Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading
- ▶ Comprehensive warranty from 3M

| | |
|-------------------|-------|
| Winter Insulation | ★★★★ |
| Energy Savings | ★★★★★ |
| Glare Reduction | ★★★★★ |

Best ★★★★★
 Better ★★★★
 Good ★★★
 Fair ★★
 Not Recommended ★
In comparison to other 3M™ Window Films

**Insulation for every season.
Warmer in the winter, cooler
in the summer.**



Climate Zone 3

Nashville, TN

Over 125,000 sq ft installation of Low E 35





Payback period — less than 3 years

Customer Issues:

- ▶ High energy costs and consumption
- ▶ Tenant comfort issues 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/ hft ² F | w/ m ² K | | | | |
|  Clear | Low E 20 | 58% | 53% | 20% | 76% | 0.24 | 0.77 | 4.37 | 71% | 99.9% | 77% | 0.8 |
| | Low E 35 | 62% | 58% | 26% | 77% | 0.23 | 0.84 | 4.76 | 72% | 99% | 71% | 1.1 |
|  Tinted | Low E 20 | 58% | 22% | 12% | 74% | 0.26 | 0.77 | 4.37 | 59% | 99.9% | 78% | 0.5 |
| | Low E 35 | 62% | 24% | 15% | 74% | 0.26 | 0.84 | 4.76 | 59% | 99% | 72% | 0.6 |
|  Double Clear | Low E 20 | 58% | 52% | 19% | 67% | 0.33 | 0.40 | 2.27 | 53% | 99.9% | 76% | 0.6 |
| | Low E 35 | 63% | 57% | 24% | 69% | 0.31 | 0.42 | 2.39 | 56% | 99% | 70% | 0.8 |
|  Tinted Clear | Low E 20 | 58% | 22% | 10% | 74% | 0.27 | 0.40 | 2.27 | 48% | 99.9% | 80% | 0.4 |
| | Low E 35 | 62% | 23% | 14% | 74% | 0.26 | 0.42 | 2.39 | 50% | 99% | 70% | 0.5 |

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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