

3M PERFORMANCE CHART SUN CONTROL WINDOW FILMS

Upgrading Clear 1/4" (6mm) IG Units Double Pane Glass

| Film | Total Solar Energy Rejected | Heat Loss Reduction | Glare Reduction | Fade * Reduction | Shading Coefficient | "U" Value | Visible Light | |
|--|-----------------------------|---------------------|-----------------|------------------|---------------------|-----------|---------------|-------------|
| | | | | | | | Reflected | Transmitted |
| Commercial - High Performance Window Films | | | | | | | | |
| Silver P18 | 70% | 6% | 78% | Highest | 0.34 | 0.47 | 55% | 17% |
| Amber 35 | 68% | 6% | 64% | High | 0.37 | 0.47 | 53% | 28% |
| Night Vision 15 | 63% | 6% | 82% | Highest | 0.42 | 0.47 | 44% | 14% |
| Night Vision 25 | 57% | 6% | 71% | High | 0.50 | 0.47 | 32% | 22% |
| Silver 15 Exterior | 85% | NA | 81% | Highest | 0.17 | 0.50 | 61% | 15% |
| Commercial - All Season Energy Window Film | | | | | | | | |
| Amber 35 Low E | 70% | 20% | 63% | High | 0.35 | 0.40 | 54% | 29% |
| Commercial - Non-metallized Clear Window Film | | | | | | | | |
| Prestige 50 - Summer | 53% | NA | 44% | Moderate | 0.54 | 0.47 | 16% | 44% |
| Prestige 50 - Winter ** | 47% | up to 14% | 44% | Moderate | 0.61 | 0.47 | 16% | 44% |
| Prestige 60 - Summer | 54% | NA | 32% | Moderate | 0.54 | 0.47 | 15% | 54% |
| Prestige 60 - Winter ** | 45% | up to 15% | 32% | Moderate | 0.63 | 0.47 | 15% | 54% |
| Prestige 70 - Summer | 50% | NA | 23% | Low | 0.57 | 0.46 | 16% | 61% |
| Prestige 70 - Winter ** | 44% | up to 14% | 23% | Low | 0.64 | 0.46 | 16% | 61% |
| Combination Sun Control/Security and Life Safety Window Films | | | | | | | | |
| Ultra Silver S20 | 70% | 6% | 78% | Highest | 0.34 | 0.47 | 55% | 17% |
| Ultra Night Vision S25 | 57% | 6% | 71% | High | 0.50 | 0.47 | 32% | 22% |
| Ultra Neutral S35 | 50% | 0% | 58% | Moderate | 0.58 | 0.50 | 24% | 33% |
| Ultra Neutral S50 | 43% | 0% | 42% | Low | 0.65 | 0.50 | 20% | 45% |
| Ultra PR S50 | 53% | 6% | 44% | Moderate | 0.54 | 0.47 | 16% | 44% |
| Ultra PR S70 | 50% | 8% | 23% | Low | 0.57 | 0.46 | 16% | 61% |

* **Causes of Fading (Nothing Prevents Fading):** 40% UV, 25% light, 25% heat, 10% misc. 3M Films block 99% of UV rays.

** **Combined benefit of U value and TSER (Total Solar Energy Rejected) differential.**

Notes :

1. When upgrading tinted or clear glass, 3M Sun Control Window Film will enhance the existing colour and create an attractive uniform appearance similar to reflective glazing. The tone will depend on the colour of the glass and the applied window film.
2. All films are protected by an abrasive resistant coating and block 99% UV to ensure a long life expectancy (typically 15 - 20+ years).
3. With the exception of Silver15 Exterior Film, all other films are applied on the room side to upgrade existing windows/glass doors.
4. Calculations are based on film and above glass combination.