

**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-metallized 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<br>(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<br>btu/hft <sup>2</sup> F | U Value<br>w/m <sup>2</sup> K | Solar Heat Reduction | UV Light Rejected | Glare Reduction | Visible Light to Solar Heat Gain Ratio |
|--|-----------|------------------------------------|------------------------------------|---------------------------|-----------------------------|---------------------------------------|-----------------------------------|-------------------------------|----------------------|-------------------|-----------------|--|
| <br>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                                    |
|  | CA80      | 8%                                 | 8%                                 | 77%                       | 43%                         | 0.57                                  | 1.06                              | 5.9                           | 30%                  | 99.6%             | 13%             | 1.4                                    |
| <br>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                                    |
|  | CA80      | 6%                                 | 6%                                 | 46%                       | 52%                         | 0.48                                  | 1.06                              | 5.9                           | 25%                  | 99.8%             | 13%             | 1.0                                    |
| <br>Double Clear    | CA35      | 7%                                 | 13%                                | 33%                       | 58%                         | 0.56                                  | 0.47                              | 2.7                           | 20%                  | 99.7%             | 58%             | 0.6                                    |
|  | CA45      | 8%                                 | 13%                                | 40%                       | 49%                         | 0.58                                  | 0.48                              | 2.7                           | 18%                  | 99.8%             | 49%             | 0.7                                    |
|  | CA60      | 10%                                | 14%                                | 55%                       | 30%                         | 0.60                                  | 0.48                              | 2.7                           | 15%                  | 99.7%             | 30%             | 0.9                                    |
|  | CA80      | 13%                                | 15%                                | 69%                       | 13%                         | 0.62                                  | 0.48                              | 2.7                           | 13%                  | 99.7%             | 13%             | 1.1                                    |
| <br>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                                    |
|  | CA80      | 12%                                | 8%                                 | 41%                       | 55%                         | 0.45                                  | 0.48                              | 2.7                           | 11%                  | 99.8%             | 13%             | 0.9                                    |

## 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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