

Ultra Neutral S50

Enhancing safety  
as only 3M can



3M  
Safety & Security Window Films

|                             |     |
|-----------------------------|-----|
| Performance Results:        |     |
| Visible Light Transmitted   | 51% |
| Total Solar Energy Rejected | 43% |
| UV Light Rejected           | 98% |
| Glare Reduction             | 42% |
| Visible Light Reflected     | 15% |
| Solar Heat Reduction        | 30% |



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| Glass Type<br>(All 1/4")       | Single<br>Pane<br>Clear | Single<br>Pane<br>Tinted | Double<br>Pane<br>Clear | Double<br>Pane<br>Tinted |
|--------------------------------|-------------------------|--------------------------|-------------------------|--------------------------|
| Visible Light<br>Transmitted   | 51%                     | 25%                      | 45%                     | 28%                      |
| Total Solar Energy<br>Rejected | 43%                     | 58%                      | 43%                     | 58%                      |
| UV Light Rejected              | 98%                     | 99%                      | 99%                     | 99%                      |
| Glare Reduction                | 42%                     | 50%                      | 42%                     | 38%                      |
| Visible Light<br>Reflected     | 15%                     | 6%                       | 20%                     | 9%                       |
| Shading<br>Coefficient         | 0.66                    | 0.48                     | 0.65                    | 0.48                     |
| Emissivity                     | 0.84                    | 0.84                     | 0.84                    | 0.84                     |
| U Value                        | 1.06                    | 1.06                     | 0.50                    | 0.50                     |
| Solar Heat<br>Reduction        | 30%                     | 30%                      | 20%                     | 13%                      |



Building and Commercial Services Division

3M Center, Building 223-2S-24  
St. Paul, MN 55144-1000

No UV Protection or Abrasion Coating has been applied to this sample card.

S50NEAR400



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Benefits:

- 3M patented technology utilizes many microlayers in a 5 mil film to provide enormous strength and tear resistance compared to standard PET films
- Improves personal, property and asset protection from hurricanes, blasts and earthquakes
- Comprehensive 3M manufacturer’s warranty
- Reduces fading and helps to protect furnishings
- Deters smash and grab burglaries
- Increases personal safety from flying glass
- High heat rejection provides energy savings and improved comfort
- Reduces glare and eye discomfort
- Meets Safety Glazing Standard CPSC 16 CFR Category II (400 ft./lb.) and ANSI Z97.1, and passes Intensified Weathering Test

Performance data generated for a typical film on 6mm glass using applicable industry test methods and standards.



The Skin Cancer Foundation recommends this 3M Window Film product as an effective UV protectant.

