



# 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%



## Ultra Neutral S50

*Enhancing safety  
as only 3M can*



S50NEAR400

## Ultra Neutral S50 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



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

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

# Ultra Neutral S50

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Glass Type (All 1/4")	Single Pane Clear	Single Pane Tinted	Double Pane Clear	Double Pane Tinted
Visible Light Transmitted	51%	25%	45%	28%
Total Solar Energy Rejected	43%	58%	43%	58%
UV Light Rejected	98%	99%	99%	99%
Glare Reduction	42%	50%	42%	38%
Visible Light Reflected	15%	6%	20%	9%
Shading 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 Reduction	30%	30%	20%	13%



## Building Safety Solutions Department

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