



3M™ Sun Control Window Film Nickel 50

- Metalised heat gain reduction technology
- Keeps occupants cool and comfortable
- Reduces heating and cooling costs
- Reduces glare and eye discomfort
- Extends the life and vibrancy in furniture, fittings and fabrics
- Reduces the risk of injury from flying glass

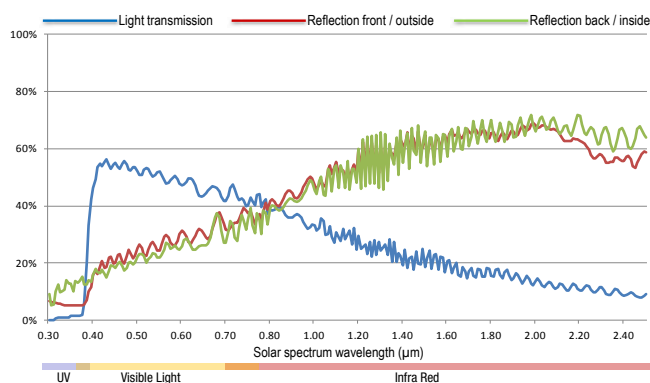
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Description

3M Sun Control Window Films are an elegant way to manage light and heat. 3M technology can significantly reduce heat gain and create a comfortable environment, especially in warmer months, as well as helping to reduce the workload of air conditioners and save energy costs. 3M Window Films also reduce glare and block almost the entire amount of UVA and UVB rays which are the main cause of fading and skin damage.

3M's Nickel 50 is designed for use on the interior surface of windows. It's metalised technology reflects the sun's rays while allowing optical clarity to be maintained and rejects excess light to reduce glare. Also, depending on lighting conditions, rooms are protected against prying eyes from looking in.

Solar Performance and light transmission



Features (on 6 mm clear glass)

Total Solar Energy Rejected	56%
Glare reduction	44%
UV rays blocked	99%

Film properties

Thickness	0.056mm / 56µm
Colour	Nickel
Material	Polyester
Adhesive	Pressure sensitive acrylic
Top coating	Scratch resistant hard coat

Installation

3M Window Films are installed using a water and soap solution. Full adhesion is reached after approximately 20 days at 18°C (in dry conditions).

Cleaning

3M Window Films may be cleaned 30 days after installation using ordinary window cleaning agents and avoiding the use of abrasive particles. Do not use rough sponges, cloths or brushes. Synthetic sponges, soft wipes or rubber squeegee cleaners are recommended.

Glass Type	Film Type on 6mm glass	Visible Light Transmission	Visible Reflection Exterior	Visible Reflection Interior	Heat Gain Reduction	G-value (Solar Heat Gain Coefficient)	Total Solar Energy Rejected
Single Pane							
Clear	No film	89%	8%	9%	N/A	0.82	19%
	Nickel 50	50%	24%	23%	46%	0.44	56%
Tinted	No film	53%	6%	6%	N/A	0.63	37%
	Nickel 50	30%	12%	22%	39%	0.38	62%
Double Pane							
Clear	No film	79%	15%	15%	N/A	0.70	30%
	Nickel 50	45%	28%	25%	31%	0.48	52%
Tinted	No film	47%	8%	13%	N/A	0.51	49%
	Nickel 50	27%	13%	24%	28%	0.36	64%

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Renewable Energy Division
3M United Kingdom plc
 3M Centre
 Cain Road, Bracknell
 Berkshire RG12 8HT
 3M.eu/WindowFilm



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