Renewable Energy Division
3M™ Sun Control Window Film Neutral 70

Making your Windows work for you

3M™ Sun Control Window Film Neutral 70

- 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 Neutral 70 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.
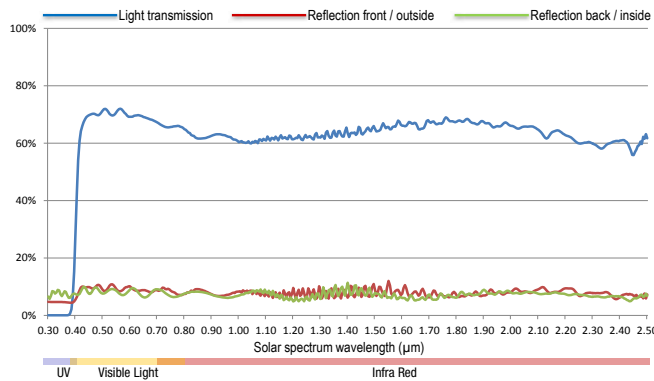
Solar Performance and light transmission

Features (on 6 mm clear glass)

Total Solar Energy Rejected	32%
Glare reduction	22%
UV rays blocked	98%

Film properties

Thickness	0.031mm / 31µm
Colour	Neutral
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	18%
	Neutral 70	**69%**	**9%**	**8%**	**17%**	**0.68**	**32%**
Tinted	No film	53%	6%	6%	N/A	0.63	37%
	Neutral 70	**42%**	**6%**	**7%**	**13%**	**0.55**	**45%**
Double Pane							
Clear	No film	79%	15%	15%	N/A	0.70	30%
	Neutral 70	**62%**	**16%**	**12%**	**8%**	**0.64**	**36%**
Tinted	No film	47%	8%	13%	N/A	0.51	49%
	Neutral 70	**37%**	**9%**	**11%**	**7%**	**0.47**	**53%**

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