Renewable Energy Division
3M™ Sun Control Window Film Neutral 35 Exterior

Making your Windows work for you

3M™ Sun Control Window Film Neutral 35 Exterior

- Metalised heat gain reduction technology
- Keeps occupants cool and comfortable
- Reduces heating and cooling costs
- Abrasion resistant surface to maintain good appearance longer
- Extends the life and vibrancy in furniture, fittings and fabrics
- Reduces the risk of injury from flying glass

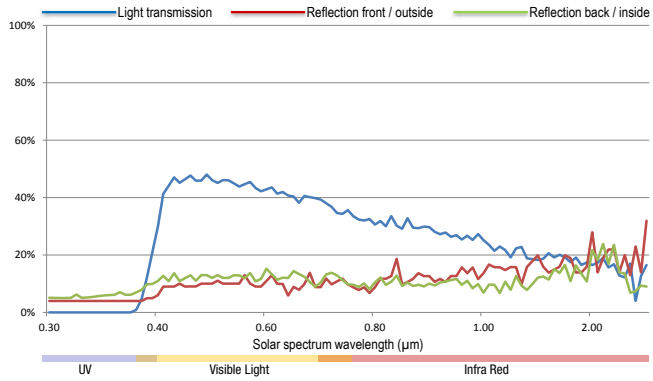
3M™ Sun Control Window Film Neutral 35 Exterior

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 35 Exterior is designed for use on the exterior 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	51%
Glare reduction	50%
UV rays blocked	99%

Film properties

Thickness	0.050mm / 50µm
Colour	Neutral
Material	Polyester
Adhesive	Pressure sensitive acrylic
Top coating	Scratch resistant hard coat

Installation

Exterior 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). Edge sealing is required, 3M recommended 3M™ Marine Sealant 3200.

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	Visible Light Transmission	Visible Reflection Exterior	Visible Reflection Interior	Heat Gain R eduction	G-value (Solar Heat Gain Coefficient)	Total Solar Energy Rejected
Single Pane							
Clear	No film	89%	8%	9%	N/A	0.82	19%
	Neutral 35 Ext.	**44%**	**10%**	**13%**	**40%**	**0.49**	**51%**
Tinted	No film	53%	6%	6%	N/A	0.63	37%
	Neutral 35 Ext.	**27%**	**10%**	**8%**	**34%**	**0.41**	**59%**
Double Pane							
Clear	No film	79%	15%	15%	N/A	0.70	30%
	Neutral 35 Ext.	**40%**	**12%**	**18%**	**46%**	**0.38**	**62%**
Tinted	No film	47%	8%	13%	N/A	0.51	49%
	Neutral 35 Ext.	**24%**	**10%**	**14%**	**42%**	**0.29**	**71%**

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

Please recycle.