3M Renewable Energy Division
3M™ Sun Control Window Film Silver 20

Making your Windows work for you

3M™ Sun Control Window Film Silver 20

- Reduces solar heat gain keeping you cooler in the summer months
- Reduces air conditioning costs
- Reduces glare and eye discomfort
- Abrasion resistant surface to maintain good appearance longer
- Extends the life and vibrancy in furniture and carpet fabrics
- Reduces the risk of injury from flying glass

3M™ Sun Control Window Film Silver 20

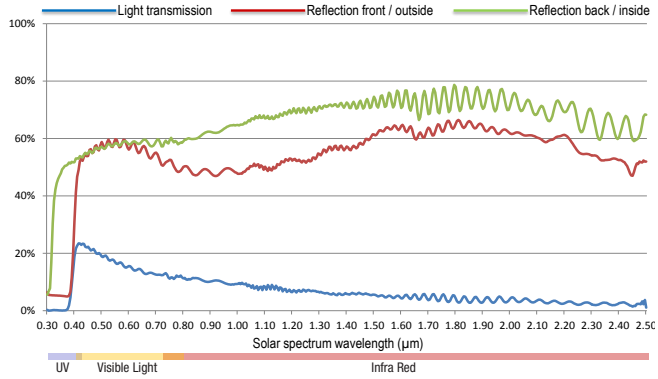
Description

3M™ Sun Control Window Film Silver 20 is designed for use on the interior surface of windows. Unlike other sun control films Silver 20 reflects the sun's rays while allowing optical clarity to be maintained. The reduction of excess light minimises the effect of glare. The film also significantly reduces the amount of UVA and UVB rays which are the main cause of fading.

3M™ Sun Control Window Films significantly reduce heat and create a balanced environment in the premises, especially in summer months, as well as helping to reduce the workload of air conditioners and save energy costs!

3M™ Sun Control Window Films are an elegant way to manage light and heat. Special advantages of the films include high transparency and light transmission. 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	77%
Light to Solar Gain Ratio	0.7
Glare reduction	81%
UV rays blocked	99%

Film properties

Thickness	0,065mm / 65µm
Colour	Silver
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	Shading Coefficient	Visible Reflection Exterior	Visible Reflection Interior	Visible Light Transmission	Heat gain reduction	G-value (Solar Heat Gain Coefficient)	Total Solar Energy Rejected
Single Pane								
Clear	No film	0.94	8%	9%	89%	N/A	0.82	18%
	Silver 20	**0.23**	**56%**	**58%**	**17%**	**72%**	**0.44**	**77%**
Tinted	No film	0.72	6%	6%	53%	N/A	0.63	37%
	Silver 20	**0.27**	**23%**	**58%**	**10%**	**58%**	**0.39**	**74%**
Double Pane								
Clear	No film	0.80	15%	15%	79%	N/A	0.70	30%
	Silver 20	**0.33**	**55%**	**58%**	**15%**	**53%**	**0.51**	**67%**
Tinted	No film	0.58	8%	13%	47%	N/A	0.51	49%
	Silver 20	**0.27**	**23%**	**58%**	**9%**	**47%**	**0.39**	**73%**

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

Please recycle.