

3M™ Sun Control Film Amber 35 Low E

Description

3M™ Sun Control and Insulating Film Amber 35 Low E is designed for use on the inside surface of windows. Unlike other sun control solutions, this film reflects the sun's rays while allowing optical clarity to be maintained. Even distribution of the sun's rays effectively reduces the effect of dazzle. Additionally, the film significantly reduces the amount of UVA and UVB rays transmitted, which are the main cause of fading.

3M Amber 35 Low E Solar and Insulating Film perfectly combines sun protection in summer by reducing heat gain and insulation in winter by reducing heat loss.

3M Sun Control Films – an elegant way to use light and heat. Special advantages of the films include high transparency and light transmission. Also depending on lighting conditions, the room and its occupants are protected from prying eyes looking in.

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).

Features (on 6 mm clear glass)

Total solar energy rejected:	75 %
G-value	0.25
Heat gain reduction:	70 %
Heat loss reduction:	26 %
Glare reduction:	66 %
UV rays blocked:	99 %
Emissivity:	0.31

Film properties:

Thickness:	0,045 mm / 45µm
Colour:	Amber
Material:	Polyester
Adhesive:	Pressure sensitive acrylic
Top coating:	Scratch resistant hard coat

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	Visual Light Transmission	U-value	G-value	TSER
Single Pane								
Clear	No Film	0.94	8 %	9%	89 %	1.03	0.82	19 %
	Amber LE 35	0.28	52 %	56%	30 %	0.76	0.25	75 %
Tinted	No Film	0.72	13 %	9%	53 %	1.03	0.63	37 %
	Amber LE 35	0.29	22%	56%	18 %	0.76	0.25	75 %
Double Pane								
Clear	No Film	0.80	15 %	15%	79 %	0.47	0.70	30 %
	Amber LE 35	0.37	51 %	57%	28 %	0.39	0.32	68 %
Tinted	No Film	0.58	8 %	13%	47 %	0.47	0.51	49 %
	Amber LE 35	0.29	21 %	57%	16 %	0.39	0.26	74 %

General notes:

All technical data is based on a combination of relevant European test methods and/or US test methods. Before using this product the customer / applicator must ensure the product is suitable to be used for the intended purpose. If there is any uncertainty, please check with your local 3M Window Film specialist. All issues regarding warranty and liability for the product and the effect of its use are governed in accordance with the provisions of the appropriate contract of sale unless local laws dictate otherwise.



Renewable energy Division
Window Films
www.3M.com/windowfilms

Your local Window Film Dealer:



3M™ Sun Control Film

Amber 35 Low E

- **Stay warmer by retaining more heat in cooler months and saving on heating costs.**
- **Stay cooler by reducing excessive heat in warmer months and reduce air conditioning costs.**
- **Reduces glare and eye discomfort.**
- **Extends the life and vibrancy in furniture and carpet fabrics.**
- **Reduces the risk of injury from flying glass.**