

# 3M™ Sun Control Film Night Vision 15

## Description

3M™ Sun Control Film Night Vision 15 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. Besides, the film significantly reduces the amount of UVA rays which are the main reason of discolouration.

3M Sun Control Film Night Vision has low reflection to inside and outside – especially at night. The patented manufacturing process guarantees especially durable stability of the colour of the Night Vision films.

3M Sun Control Films significantly reduce heat and create the balanced environment of the premises. Especially in summer months they help to reduce the workload of air conditioners and save expenses for energy!

3M Sun Control Films – an elegant way to use light and heat. Also special advantages of the films are retained: their transparency and light transmission. Simultaneously, depending on the lighting, the room is protected from curious looks from outside.

These strong flexible polyester films also help to protect from injuries caused by uncontrolled fragments of broken glass.

## Features (on 6 mm clear glass)

Total Solar Energy reduction:	75 %
G-value	0.25
Reduction of Glare:	83 %
Reduction of UV rays:	99 %

## Structure of the film

Thickness:	0,038 mm / 38µ
Colour:	Anthracite
Material of the film:	Polyester
Adhesive:	Special Acrylic
Top coating:	Scratch resistant hard coat

3M Window films are installed using water and a 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. Do not clean 3M films dry.

Glass type	Film Type	SC	VLR Ext. %	VLR Int. %	VLT %	Emissivity	u-value	g-value	TSER
<b>Single Pane</b>									
Clear	No Film	0.94	8 %	8 %	88 %	0.84	1.06	0.82	18 %
	NV 15	0.29	43 %	19 %	15 %	0.70	1.04	0.25	75 %
Tinted	No Film	0.69	5 %	5 %	50 %	0.84	1.06	0.60	40 %
	NV 15	0.38	16 %	19 %	9 %	0.70	1.04	0.39	71 %
<b>Double Pane</b>									
Clear	No Film	0.81	14 %	14 %	78 %	0.84	0.50	0.70	30 %
	NV 15	0.42	44 %	20 %	14 %	0.70	0.47	0.37	63 %
Tinted	No Film	0.55	8 %	8 %	45 %	0.84	0.50	0.48	52 %
	NV 15	0.33	20 %	20 %	9 %	0.70	0.47	0.29	71 %

## 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.



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Your local Window Film Dealer:



## 3M™ Sun Control Film

### Night Vision 15

- Low interior and exterior reflectivity, especially at night.
- A warm natural hue invites warmth and beauty to any room.
- Reduce air conditioning costs and
- Reduces glare and discomfort.
- Helps preserve the appearance of furniture and fabrics.
- Has an abrasion resistant surface to maintain a good appearance for longer.
- Easy to remove without adhesive residues.