

Product Description

3M™ Night Vision 25 Solar Control Window Film is a polyester based solar control film using nano technology to enhance colour stability. It has low interior and exterior reflectivity, especially at night and a durable scratch resistant coating.

Applications

3M™ Night Vision 25 is intended for interior application on flat glass substrates.

Typical Properties

The values displayed are the results of illustrative lab test measurements made according to the indicated external norm and shall not be considered as a commitment from 3M.

Product construction	
Material base, solar	Metallized PET
Adhesive	Pressure sensitive acrylic
Protective liner	Siliconized PET

Typical Performance Properties according to EN 410										
Glass Type	Film Type	Visible Light			Total Solar Energy Rejected	G Value (SHGC)	LSG (Light to solar gain)*	UV Block	Heat Gain Reduction	Glare Reduction
		Reflected (interior)	Reflected (exterior)	Transmission						
Single Pane		%	%	%	%			%	%	%
Clear	No Film	8	8	88	18	0.82	1.1	43	N/A	N/A
	NV 25	9	24	24	63	0.37	0.6	99	54	73
Tinted	No Film	6	6	53	37	0.63	0.8	NA	N/A	N/A
	NV 25	9	12	14	64	0.36	0.4	99	43	73
Double Pane										
Clear	No Film	15	15	79	30	0.70	1.1	NA	N/A	N/A
	NV 25	10	28	22	53	0.47	0.5	99	33	73
Tinted	No Film	13	8	47	49	0.51	0.9	NA	N/A	N/A
	NV 25	10	13	13	64	0.36	0.4	99	29	73

*Transmission/G

The values above are the results of illustrative lab test measurements and shall not be considered as a commitment from 3M.

Shelf Life and Storage (prior to application)

Shelf life is 5 years from the manufacturing date. Material should be stored in its original packaging, laying in a horizontal orientation, away from direct sunlight. Heavy objects should not be placed on top of it to avoid damaging the product. Recommended storage conditions are +21°C and 40 – 50% relative humidity. Avoid extreme temperature ranges in storage.

The shelf life as defined above remains an indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as warranty.

Application

These are indicative values for 3M™ Window Film products.

Recommended substrate	Glass (as described in EN 15755-1)
Recommended surface	Flat to simple curved
Application method	Suitable for wet application
Application temperature	From +4°C to + 45°C
Application guidelines	Use a firm, narrow squeegee e.g. Blue Max 12.7 cm. Use both hands to apply consistent, firm pressure across the squeegee blade. Overlap 50% from previous stroke. Remove as much water as possible in one pass.
Service temperature	From - 40°C to + 80°C
Edge sealing	Not necessary
Drying Time	Final adhesion is reached after approximately 20 days at +18°C and dry conditions. Please refer to local instructions for details.

Maintenance and Cleaning

Use a cleaning agent designed for high quality glass surfaces. The cleaning agent must be wet and non-abrasive with a pH value between 6 and 8 (neither strongly acidic nor strongly alkaline).

Health and Safety

When handling any chemical products, read the manufacturer's container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information.

Follow the link to obtain SDS sheets for 3M products on 3M.com/SDS.

IMPORTANT! When using any equipment, always follow the manufacturer's instructions for safe operation.

Warranty

3M warrants that each 3M product will be free from defects in material and manufacture for the length of the product warranty. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Remarks

Important notice

This bulletin provides technical information only.

All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

Before using, the user must determine the suitability of the product for its required or intended use, and the user assumes all risk and liability whatsoever in connection therewith.

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