



Anti Graffiti Window Films

AG 4 Window Film

1. Product Description

3M™ Anti Graffiti AG4 window film is a transparent polyester film with a scratch resistant surface and excellent anti staining properties.

2. Applications

3M™ Anti Graffiti AG4 window film can be applied on the interior and exterior of flat glass substrates.

3. Typical Properties

Product construction	
Material base	Transparent polyesters
Adhesive	Pressure sensitive acrylics
Protective liner	Siliconized PET

Typical Performance Properties*			
Film Type	Film Thickness (nominal)	Visible Light Transmission (on 4mm clear glass)	UV Block (on 4mm clear glass)
	Micron (µm)	%	%
AG 4	100	89.5	> 98

Typical Performance Properties							
Film Type	Tensile Strength according to EN 527-2/1B/50		Elongation according to EN 527-2/1B/50		Tear resistance according to EN 34-1/B1		Abrasion resistance according to D1003 and ASTM D1044
	MPa	MPa	%	%	Nmm	Nmm	Delta Haze
	Machine direction	Transverse direction	Machine direction	Transverse direction	Machine direction	Transverse direction	%
AG 4	140	200	140	75	200	90	<5

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4. User Information

4.1 Shelf Life & 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.

4.2 Application

4.3

Recommended substrate	Glass (as described in EN 15755-1)
Recommended surface	Flat to simple curved
Application method	Suitable for wet application or dry semi-automatic lamination
Application temperature	From +8°C to + 40°C
Application guidelines	Check weather forecast when planning an exterior application. Do not install film during precipitation or if the exterior temperature is expected to drop below 0°C within 15 days after installation.
Service temperature	From - 40°C to +70°C
Edge sealing	Not necessary
Drying time	Final adhesion is reached after approximately 30 days at 18°C and dry conditions. Please refer to local instructions for details

4.3 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).

5. Additional Information

To request additional product information see address below.

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application.

Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes.

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