



Silver 35 Exterior Window Film

Solar Control Window Film

1. Product Description

3M™ Silver 35 Exterior is a metallized solar control film for exterior application. It had a durable scratch resistant coating and a weather resistant acrylic adhesive.

2. Applications

3M™ Silver 35 Exterior is intended for exterior application on flat glass substrates.

3. Typical Properties

Technical information provided consists of typical product data and should not be used for specification purposes. Unless otherwise noted, all tests are performed at room temperature.

Product construction	
Material base	Metallized Polyester
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	9	8	89	19	0.82	1.1	38	NA	NA
	Silver 35 Ex	36	35	35	64	0.36	1.0	99	56	50
Tinted	No Film	6	6	53	37	0.63	0.8	NA	NA	NA
	Silver 35 Ex	16	35	21	71	0.29	0.7	99	59	NA
Double Pane										
Clear	No Film	15	15	79	30	0.70	1.1	NA	NA	NA
	Silver 35 Ex	37	36	32	71	0.29	1.1	99	59	38
Tinted	No Film	13	8	47	49	0.51	0.9	NA	NA	NA
	Silver 35 Ex	21	35	19	78	0.22	0.9	99	57	NA

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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

Recommended substrate	Glass (as described in EN 15755-1)
Recommended surface	Flat to simple curved
Application method	Suitable for wet application
Application temperature	From +8°C to +45°C
Application guidelines	Check weather forecast when planning the application. Do not install during precipitation or if the exterior temperature should drop below 0°C within 15 days after installation.
Service temperature	From -40°C to +70°C
Edge sealing	Necessary on all edges
Drying time	Final adhesion is reached after approximately 20 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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