

Commercial Solutions Division

3M™ Silver 15 Plastic Window Film

Solar Control Window Film

Product Bulletin

1. Product Description

3M™ Silver 15 Plastic is a metallized solar control window film suitable for use some plastic substrates.

2. Applications

3M™ Silver 15 Plastic is suitable for use on some polycarbonate (PC) and acrylic (PMMA) glazing used in buildings. It can be installed on either the interior or the exterior of these substrates. It can also be used on glass.

3. Typical Properties

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

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

Typical Performance Properties according to EN 410									
Film Type on Clear PC	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						
	%	%	%	%			%	%	%
No Film	9	11	83	15	0.85	1.1	38	NA	NA
Silver 15 Plastic	56	65	14	83	0.17	0.9	99	80	83

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

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.

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.

4.2 Application

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

Recommended substrate	PC, PMMA, Glass (as described in EN 15755-1) Some plastics tend to outgas on exposure to heat. Depending on the severity of the outgassing, air bubbles can form between substrate and adhesive. Therefore it is recommended to test the suitability of the plastic substrate prior to complete installation.
Recommended surface	Flat to simple curved
Application method	Suitable for wet application
Application temperature	From +4°C to +45°C
Application guidelines	For exterior applications 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. Use a firm, narrow squeegee e.g. Blue Max 12.7cm. Use both hands to apply consistent, firm pressure across the squeegee blade. Overlap 50% from previous stroke. Remove as much water pass as possible in one pass.
Service temperature	From -40°C to +70°C
Edge sealing	Required for exterior applications
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. Remarks

This bulletin provides technical information only.

To request additional product information see address below.

Important Notice

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.

Responsible for this technical bulletin:



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