

Commercial Solutions Division

3M™ Silver 20 Window Film

Solar Control Window Film

Product Bulletin

1. Product Description

3M™ Silver 20 is a metallized solar control film for interior application.

2. Applications

3M™ Silver 20 is intended for interior application on flat glass substrates.

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										
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 20	58	56	17	77	0.23	0.7	99	72	81
Tinted	No Film	6	6	53	37	0.63	0.8	NA	NA	NA
	Silver 20	58	23	10	74	0.26	0.4	99	58	82
Double Pane										
Clear	No Film	15	15	79	30	0.70	1.1	NA	NA	NA
	Silver 20	58	55	15	67	0.33	0.5	99	53	80
Tinted	No Film	13	8	47	49	0.51	0.9	NA	NA	NA
	Silver 20	58	23	9	73	0.27	0.3	99	47	81

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	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 12.7cm. 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	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.

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.



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