



Thinsulate™ Window Film CC75

Climate Control Window Film

1. Product Description

3M™ Thinsulate™ Window Film Climate Control 75 is a combined solar control and insulating window film for interior applications.

2. Applications

3M™ Thinsulate™ CC75 is intended for interior 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.

- High visible light transmission
- Low U Value
- Good solar energy rejection

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

Typical Performance Properties*												
Glass type	Film Type	Visible Light			Total Solar Energy Rejected	G Value (SHGC)	LSG (Light to solar gain)	U Value		Heat Loss Reduction	Heat Gain Reduction	Glare Reduction
		Reflected (interior)	Reflected (exterior)	Transmission				btu/hft ² F	W/m ² K			
Single Pane												
Clear	No Film	9	8	89	19	0.82	1.1	1.03	5.9	NA	NA	NA
	TCC 75	12	16	74	47	0.53	1.4	0.62	3.6	40	35	17
Tinted	No Film	6	6	53	37	0.63	0.8	1.03	5.9	NA	NA	NA
	TCC 75	10	8	44	60	0.4	1.1	0.62	3.6	40	37	17
Double Pane												
Clear	No Film	15	15	79	30	0.7	1.1	0.47	2.6	NA	NA	NA
	TCC 75	17	21	66	49	0.51	1.3	0.36	2.0	26	27	16
Tinted	No Film	13	8	47	49	0.51	0.9	0.47	2.6	NA	NA	NA
	TCC 75	15	10	40	63	0.37	1.1	0.35	2.0	26	27	15

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

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 0°C to + 45°C
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). Use a squeegee, a soft cotton cloth or non-abrasive paper towels.

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.

All questions of warranty and liability relating to 3M products are governed by the selling 3M subsidiary's Terms of Sale subject where applicable to the prevailing law.

3M is a trademark of the 3M Company.
