

## Virtually invisible insulation. Enhance comfort and efficiency year round with 3M™ Thinsulate™ Window Film Climate Control 75.

- ▶ Helps provide increased insulation performance, much like upgrading single pane to double pane and double pane to triple pane windows
- ▶ Helps improve comfort during cold winter months
- ▶ Heat rejection helps provide comfort and energy savings in summer months
- ▶ High visible light transmission film with a neutral appearance that helps maintain the building's existing appearance
- ▶ Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading
- ▶ Comprehensive warranty from 3M

Visible Light Transmission ★★★★★

Winter Insulation ★★★★★

Year Round Comfort ★★★★★

Best ★★★★★

Better ★★★★

Good ★★★

Fair ★★

Not Recommended ★

*In comparison to other 3M™ Window Films*

## Thinsulate, insulation for your windows.



## Climate Zone 6

Historic Minnesota Governor's Residence

1,000 sq ft installation of 3M™ Thinsulate™





Window Film Climate Control 75.

Customer Issues:

- ▶ Historic property that could not change the look of the building
- ▶ Single pane windows, caused cold, drafty areas
- ▶ Needed to meet state energy savings goals



## Product Performance and Technical Data

Glass Type (All 1/4")	Film Type	Visible Light			Total Solar Energy Rejected	Solar Heat Gain Coefficient (G Value)	U Value		Heat Loss Reduction	Heat Gain Reduction	UV Light Rejected	Glare Reduction	Visible Light to Solar Heat Gain Ratio
		Reflected (interior)	Reflected (exterior)	Transmitted			btu/ hft²F	w/ m²K					
 Clear	Thinsulate™ 75	12%	16%	74%	47%	0.53	0.62	3.6	40%	35%	99.9%	17%	1.4
 Tinted	Thinsulate™ 75	10%	8%	44%	60%	0.40	0.62	3.6	40%	37%	99.9%	17%	1.1
 Double Clear	Thinsulate™ 75	17%	21%	66%	49%	0.51	0.35	2.0	26%	27%	99.9%	16%	1.3
 Tinted Clear	Thinsulate™ 75	15%	10%	40%	63%	0.37	0.35	2.0	26%	27%	99.9%	15%	1.1

## LEED Certification

Window films may be used toward the following LEED credits

▶ SS-8    ▶ MR 1.1-1.2    ▶ EQ-7.1    ▶ EQ-8.1-8.2    ▶ EA-1    ▶ MR 5.1-5.2    ▶ EQ-7.2    ▶ ID

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