



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

- 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/ hft <sup>2</sup> F	w/ m <sup>2</sup> K					
Clear	Thinsulate™ 40	10%	7%	36%	59%	0.41	0.63	3.6	39%	50%	99.8%	59%	0.9
	Thinsulate™ 75	12%	15%	74%	47%	0.53	0.63	3.6	40%	35%	99.9%	17%	1.4
Tinted	Thinsulate™ 40	9%	5%	22%	67%	0.33	0.63	3.6	39%	48%	99.9%	59%	0.6
	Thinsulate™ 75	10%	8%	44%	60%	0.40	0.63	3.6	40%	37%	99.9%	17%	1.1
Double Clear	Thinsulate™ 40	11%	14%	32%	54%	0.46	0.35	2.0	26%	34%	99.8%	59%	0.7
	Thinsulate™ 75	17%	21%	66%	49%	0.51	0.35	2.0	26%	27%	99.9%	16%	1.3
Tinted Clear	Thinsulate™ 40	11%	8%	19%	66%	0.34	0.35	2.0	26%	33%	99.9%	59%	0.6
	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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