

3M™ Thinsulate™ Window Film
Climate Control 75 Offers Historic
Minnesota Governor's Residence
a Modern Energy Solution



C A S E H I S T O R Y

T H E C H A L L E N G E

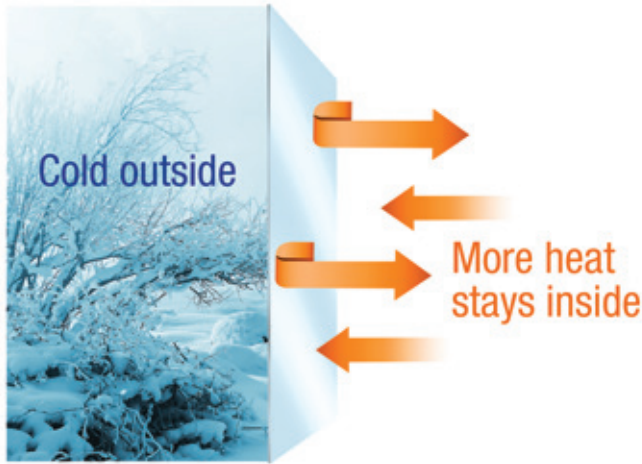
The Governor's Residence is a stately two-story Tudor-style mansion that encompasses more than 16,000 square feet, including nine bedrooms, eight bathrooms and nine fireplaces. Built in 1912, it has served as home to 10 Minnesota governors. The home was placed on the National Register of Historic Places in 1974, requiring any renovations to be approved by a 19-member council charged with preserving the look and feel of the building.

Nevertheless, a recent state law mandating greater energy efficiency in government-owned buildings presented an interesting challenge. The residence is equipped with old, single-pane windows that are inefficient at keeping out cold air or blocking ultraviolet rays that can harm the building's many historical artifacts. The staff searched for ways to reduce their energy consumption, while preserving the building's original architecture.



Summit Avenue in St. Paul is home to a number of magnificent buildings, including the majestic Cathedral of St. Paul, the former home of author F. Scott Fitzgerald and the amazing mansion of railroad and timber magnate James J. Hill. However, one home in particular — at 1006 Summit Avenue — has a special role, serving as the official residence for the Governor of Minnesota.





THE 3M™ WINDOW FILM SOLUTION

That's when a local 3M Authorized Prestige Window Film Dealer stepped in to suggest a solution — the application of 3M™ Thinsulate™ Window Film Climate Control 75 to approximately 1,100 square feet of window glass in the residence.

The film helped provide a cost-effective way to upgrade the existing single pane windows to perform more like double pane windows, while maintaining the historic look of the home. The window film installed helps reject heat in the summer months and retains heat during the traditionally chilly Minnesota winters. In addition, the film's virtually clear appearance helps maintain the existing aesthetic look of the glass.

A PROUD LANDMARK

Residence Manager Amanda Simpson, who oversees a full-time staff of five at the residence, is pleased with the project's outcome.

“The window film reduces the heat loss and helps us maintain a comfortable environment,” Amanda said. “It also helps protect the furnishings in the house from exposure to the sun.”

3M™ Thinsulate™ Window Film Climate Control 75 now helps provide a modern energy solution to a historic home that stands as a proud landmark for the citizens of Minnesota.

PROJECT SUMMARY

Description: The historic Minnesota Governor's Residence is a stately two-story Tudor-style mansion built in 1912. However, the building was required to comply with the state's new law mandating greater energy efficiency in government-owned buildings.

Product Selection: 3M™ Thinsulate™ Window Film Climate Control 75

Area Covered: 1,100 square feet of glass

Special Challenges: Installers encountered several intricate starburst-patterned and French-paned windows, which took additional time to prepare.

Key Benefits: Increased comfort, especially during winter months, increased energy efficiency, and increased protection of artifact from harmful ultraviolet rays.



3M Renewable Energy Division
3M Center, Building 235-2S-27
St. Paul, MN 55144-1000
www.3M.com/windowfilm

3M and Thinsulate are trademarks of 3M Company.
Please recycle. Printed in U.S.A.
© 3M 2015. All rights reserved.
98-0150-0558-4