

3M Science.
Applied to Life.™

A win-win for a southern California home.

3M™ Sun Control Prestige Series, 3M™ Sun Control Prestige Exterior Series & 3M™ Thinsulate™ Climate Control 75 Window Films

“The summers in southern California are very, very hot. Now we don’t have to pull down the window shades from 4 to 6 p.m. every day to keep the sun off the furniture and keep the house cooler.”

— Lynne Foose, Homeowner
and CFO of Foose Designs

Private Residence — Orange County, CA

► Project Scope

As a car designer, Chip Foose knows performance is important, but looks are too. Soaring afternoon temperatures and blazing sun on his home were concerning for both Chip and his wife, Lynne. Chip’s experience with 3M™ Automotive Window Film led him to 3M Residential Window Film. Chip and Lynne selected the Prestige Series of Window Film. This optically clear film rejects up to 97% of the sun’s heat-producing infrared rays. It also has low reflectivity, which means it provides the same visual clarity, inside and out.



► Situation

Chip and Lynne were looking to use 3M™ Window Film as a solution to the soaring afternoon heat and to help protect their furnishings from fading. They were also concerned about saving energy. Much like his car designs, the Foose home shows a refined attention to detail and careful craftsmanship. It was important to him that the home kept its balance of charm, character and personality.

► Solution

Campbell Window Film, a local 3M™ Authorized Window Film Dealer Installer, was brought in to provide product recommendations and installation. They recommended 3M™ Sun Control Window Films Prestige 70 due to its excellent heat rejection, fade protection, and optical clarity properties.

With energy savings being a concern, the installers also recommended applying 3M™ Thinsulate™ Window Film Climate Control 75 to the windows of the wine room. Adding an almost invisible layer of insulation, 3M™ Thinsulate™ Window Film improves the performance of existing windows by helping to keep the cool air in and the heat out. “It was cooler—probably 10 degrees cooler—than it was the day before,” Lynn said.

► Result

Improved sun protection and energy efficiency.

3M Window Film has helped reduce the temperature in the home, while protecting the furnishings from damaging UV rays. The net result makes for satisfied homeowners.

“I was so impressed with the product and the application,” Lynn said. “I understand why people would like to use 3M Window Films. To have your house cooler and to know I’m saving a lot on my power bill, it’s a win-win.”

Case Study Summary

Challenge: Control the sun’s heat and UV rays from damaging furnishings.

Product Selection: 3M Sun Control Window Film Prestige 70 and Exterior Prestige 70. 3M™ Thinsulate™ Window Film Climate Control 75.

Benefits: Improved heat rejection, energy cost savings and protection for furnishings from UV rays.

Excellent performance through 3M Science.

3M™ Prestige Series Window Film:

- Helps improve comfort and protection — Keeping interiors cooler, reducing the load on cooling systems and saving energy. Blocking 99.9% of UV rays, the films help protect furnishings from the harmful effects of the sun.
- Enhances views and aesthetics — Prestige films are optically clear, offering reflectivity that in some cases are lower than glass. This means that the visual clarity is the same, inside and out.
- Provides clear signals for electronic devices — The Prestige films are non-metallic, and not susceptible to corrosion in coastal environments.

3M™ Thinsulate™ Window Film:

- Helps provide increased insulation performance, much like upgrading single pane to double pane and double pane to triple pane windows.
- Helps improve comfort during cooler months.
- Rejects outside heat, providing comfort and energy savings in the warmer months.
- Helps maintain a building’s existing appearance due to the film’s high visible light transmission giving it a neutral appearance.
- Significantly reduces harmful UV rays, which is the largest cause of furniture fading.



* 3M Prestige Series Films block energy across the entire IR range. The 97% rejection value is based on performance in the 900-1000 nanometers (nm) range.



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