

Embrace the view. Conquer the heat.



“The film isn’t noticeable, and it’s doing exactly what it is supposed to do. The house is more comfortable, and it isn’t hindering our views. It’s an excellent alternative to window coverings, and there’s no maintenance.”

— Homeowner

3M™ Sun Control Window Film Prestige 70

Private Residence — Sausalito, California

► Project Scope

Blending gracefully into a hillside overlooking San Francisco Bay, a residence designed by award-winning architect Obie G. Bowman gave a Sausalito homeowner everything he had hoped for—an open, light-filled interior with an expansive view of the bay, Tiburon, Mount Diablo, Angel Island and the San Francisco skyline.

But the window views came with something the homeowner hadn’t anticipated—excessive heat build-up.



► **Situation**

The 4,200-square-foot home resonates with the natural setting, stepping down the steep hill in three tiers with windows sloping in harmony. An earth-covered roof, an expansive wall of windows facing the bay and skylights further integrate the residence with its surroundings.

In the main living area, windows consisting of 30 glass panes provide the most stunning view of the bay. But the east-facing windows meant extreme sun exposure all morning through early afternoon. This raised room temperatures to what the homeowner described as “unbearable levels.”

Window shades would block the precious view and, as the homeowner learned, cost four times more than window films. After a disappointing trial with a non-3M film and contractor, he turned to a 3M™ Authorized Dealer for a solution.

► **Solution**

The homeowner requested a window film that appears “non-existent.” The dealer suggested 3M™ Sun Control Window Film Prestige 70 for its high heat rejection and clarity. Nearly 650 square feet of Prestige 70 was installed on the interior of the windows.

The advanced window film helps block UV rays and infrared heat while allowing natural light in. The view? Virtually unchanged.

► **Result**

Magnificent views. Greater comfort. One cost-effective solution.

3M Sun Control Window Film Prestige 70 has helped reduce the temperature in the home by 10° to 15° F, making for one satisfied homeowner.

Another example of 3M™ Window Films working discreetly behind the scenes to help keep people cool, comfortable and protected.

Superior performance through 3M Science.

3M™ Prestige Series Films use non-metallized, multilayer optical film and nanotechnology to achieve what other films simply can't:

- **Enhanced comfort and protection** — The spectrally selective films reject up to 97%* of the sun's heat-producing infrared light, helping keep interiors cooler, reducing the load on cooling systems and saving energy. By blocking 99.9% of UV rays, the films help protect furnishings from the harmful effects of the sun. And according to the Skin Cancer Foundation, window film is one of several recommended safeguards against UV damage.
- **Unsurpassed capabilities** — What sets Prestige Series Films apart is the precision with which light waves are controlled as they pass through or reflect off of hundreds of layers of film. Compared to other films, the Prestige Series Films increase their performance at a faster rate as the sun's angle increases. That means greater protection and comfort when you need it the most. When the sun is working its hardest, so is 3M's Prestige Series.
- **Enhanced views and aesthetics** — Films that reject heat tend to have high reflectivity. Not with Prestige Series Films. These films are optically clear and can offer reflectivity that's in some cases lower than glass. That means the same visual clarity, inside and out.
- **No corrosion. No signal interference.** Being non-metallic, Prestige Series Films aren't susceptible to corrosion in coastal environments. They also don't interfere with electronic device signals.

Case Study Summary

Challenge: A homeowner needed to remedy excessive heat build-up without blocking the expansive views of the San Francisco skyline and bay.

Product Selection: 3M Sun Control Window Film Prestige Series was applied to 650 square feet of interior glass to enhance comfort and protection by rejecting up to 97%* of the sun's heat-producing infrared light.

Benefits: The homeowner experienced heat reduction, protection of furnishings and reduced cooling system usage.



*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.