



**SOLAR
COMFORT**

CALIFORNIA

Radiant Barrier for Windows

BENEFITS OF SOLAR COMFORT PRODUCTS IN AN OFFICE ENVIRONMENT

Below are some of the resulting benefits after the installation of Solar Comfort in test office environments.

1. Stabilization of the office temperature through out the day. The temperature variance is typically cut in half from the standard of comparison. People are very sensitive to temperature changes in their working environments.
2. The occupants have experienced no irritation from direct or indirect solar radiant heat.
3. Glare has been greatly reduced making it much more comfortable to view computer monitors. Glare directly effects the level of eye strain from natural and artificial light sources
4. The blinds offer a wall of protection for occupants, as they block the feelings of heat and cold air transfer into the office environment.
5. All benefits have been realized while outside viewing has been enhanced. Occupants can now see outside while the blinds are closed. It is like looking through a pair of sunglasses. No glare, Uv protection and greatly increased eye comfort.
6. The benefit of having 90% of natural light coming into the office window is very desirable. People function and feel better when they work in natural lit environments.
7. With the increase in natural lighting in offices, artificial lighting may not be required during the majority of the daytime. This has the potential to add to the energy savings for any building, as daylight harvesting usually reaps excellent returns.
8. Increased Creature Comfort. Tenants that are comfortable in their office environments are happy tenants. Test site occupants have suggested that they are much more comfortable in their offices after the test blinds were installed. This is typical of every test site that we have conducted.
9. It is also very evident that one of the largest benefits of the Solar Comfort Products is the potential energy savings for building owners. With the tested and verified 78%+ reductions in solar radiation exposure. It is apparent that heat gain will be greatly reduced thus reducing the load on the cooling system of the building. Decreasing run times will both lower utility costs

and increase the lifespan of the HVAC system.

Because the blinds also have the ability to reduce heat loss through windows, energy savings will also be realized because of reduced heating needs during colder weather.

Due to the unique dynamics of individual builds; specific window efficiency, heating/cooling systems, enveloping and the ever unpredictability of our weather, an accurate projection of energy savings is very difficult to project. The true level of energy savings will have a direct relationship to the factors of building dynamics mentioned.

10. Two decades of experience with this product has shown the payback ranging between 2-4 years. This type of return on investment is very attractive considering the 20+ year lifespan and zero maintenance requirements . Light annual dusting could be considered.

