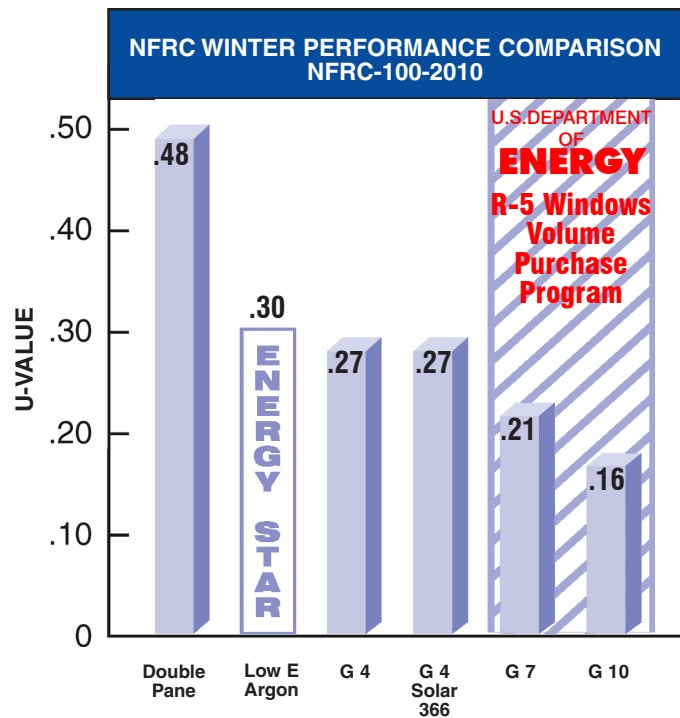


WINTER INSULATING PERFORMANCE

KEEPING YOUR HOME COMFORTABLE AND ENERGY EFFICIENT

Insulation performance is measured to determine how effectively a window keeps heat in a home. Better insulation in windows means lower energy costs, and just as important: improved comfort on cold winter days. Insulation performance is measured in U-values. The U-value is a measure of heat loss through a window; therefore **a lower U-value means better insulation performance**. In the past, windows typically had U-values of around .48. Gilkey System 10 Windows (with R 10 glass) are truly energy efficient, offering glass that is 50% better at keeping winter heat in your home compared to Low-E with argon gas. This superior performance will make your home more energy efficient and comfortable. The chart below compares the insulating performance of different glazing products.



YOU SHOULD SELECT A WINDOW WITH LOWER U-VALUES IF:

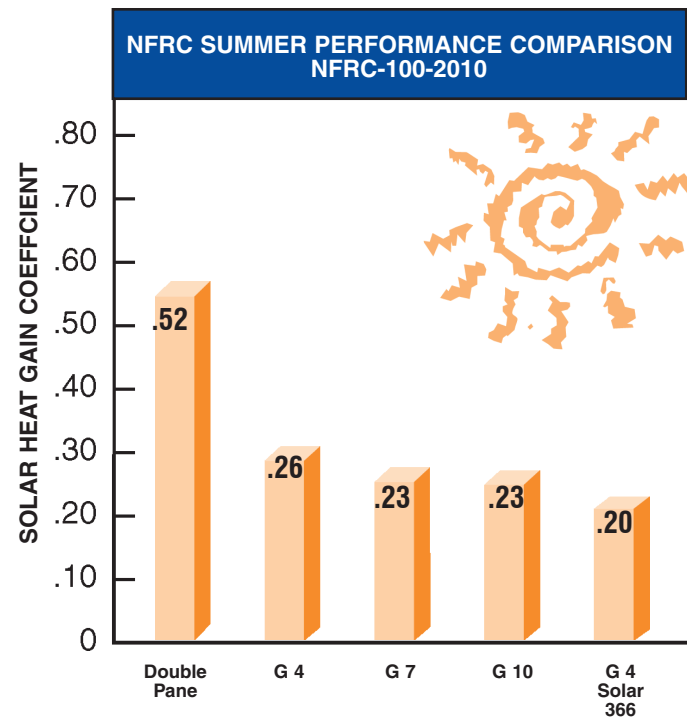
- Reducing heating costs is a factor in your window investment.
- Your home has large areas of glass. Improving the insulating value of your windows may be necessary to comply with local energy codes.
- You sit near your windows in the winter.

SUMMER SOLAR CONTROL

PROTECTING YOUR HOME FROM THE HOT HOUSE/ GREENHOUSE "SYNDROME"

We've all had the experience of sitting in a room that was hot, stuffy, and uncomfortable, because of too much heat from the sun. Unfortunately, the increased use of large window areas in today's homes has made solar overheating a much bigger problem than it was ten or fifteen years ago. Fortunately, glazing products are now available that can significantly reduce solar heat gain through windows.

Solar control is measured by a value called the solar heat gain coefficient. The solar heat gain coefficient is a relative comparison of solar heat gain with **lower values indicating lower levels of heat gain and therefore better solar control**. Gilkey Windows cut heat gain in half compared to standard dual pane glass.



YOU SHOULD SELECT A WINDOW WITH A LOWER SOLAR HEAT GAIN CO-EFFICIENT IF:

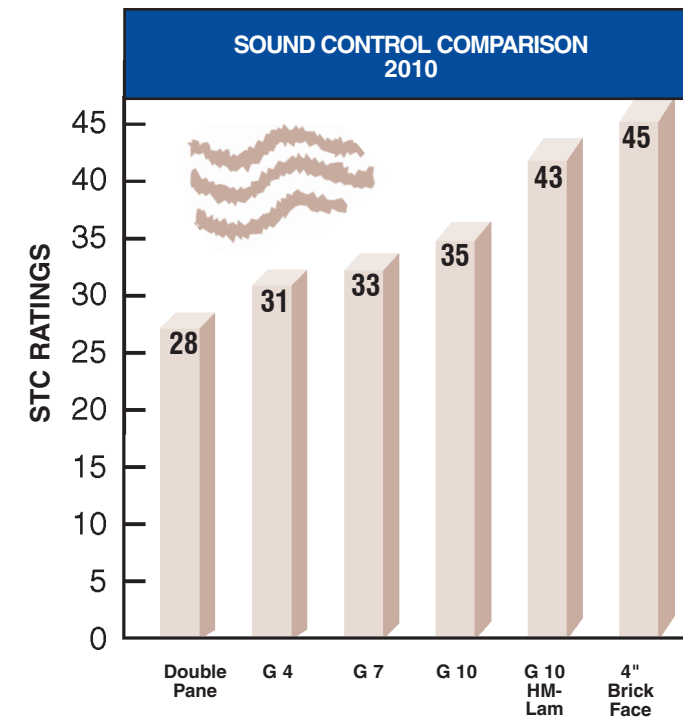
- You have air conditioning in your home.
- You have large areas of glass facing west, south or east.
- You are building in an area with energy codes that require solar control glazings.
- You are replacing windows and some areas of your home currently get too hot.

SOUND CONTROL

USING GLAZING TO REGULATE SOUND TRANSMISSION THROUGH WINDOWS

In noisy environments, Gilkey's glass offerings can insulate against unwanted sound transmission better than ordinary double pane windows. As building technology becomes more sophisticated, improved performance requirements are being placed on building components. The need for acoustical glazing solutions is increasing due to environmental noise caused by aircraft, highway traffic, rail transportation, and the congestion of buildings around areas of high noise levels.

The American Society for Testing and Materials (ASTM) has developed a Sound Transmission Class or STC rating, in which a single number is used for describing the sound isolation performance of a material. The higher the STC the better the system is at isolating airborne noise. A STC rating of 45 means that the element reduces the sound passing through it by 45 dB.



Note: Just like the Richter scale, STC ratings are logarithmic not linear so an increase by 1 point is 10 times better at reducing sound transmission through a material.

YOU SHOULD CHOOSE A HIGH SOUND CONTROL WINDOW IF:

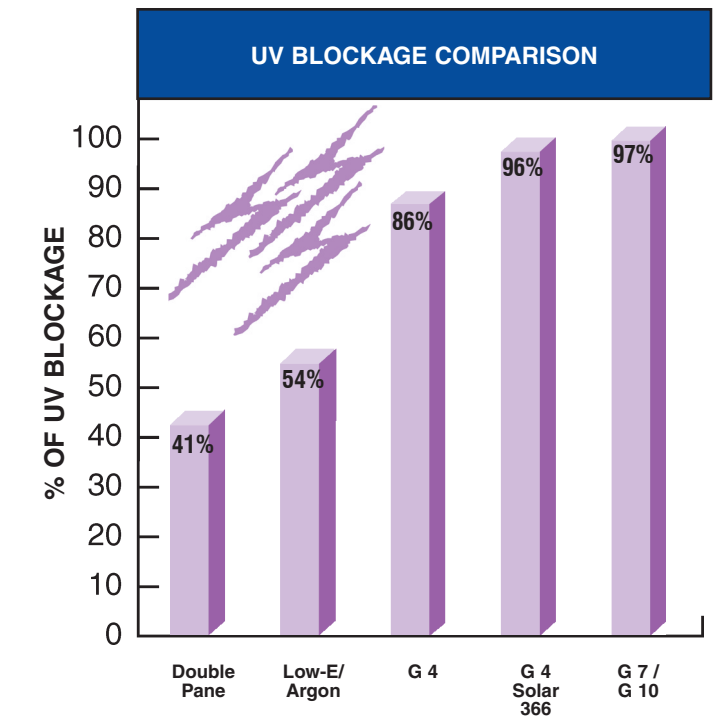
- You live in a noisy environment (busy street, airport, police, fire station).
- You are concerned with noise through bedroom windows or sleeping areas.

ULTRA-VIOLET PROTECTION

PROTECT YOUR HOME FURNISHINGS FROM DAMAGING UV RADIATION

We all know how dangerous ultra-violet radiation can be. We've read about the depletion of the ozone layer and increased incidence of skin cancer due to UV radiation.

In our home environments, UV is the main source of fading. Exposure to UV radiation can damage carpets, furniture and draperies. It is now possible to select glazing products, such as Gilkey Windows with SPF which almost eliminate the transmission of UV radiation. **Reducing UV transmission means reduced fading, longer fabric life and beauty.**



YOU SHOULD SELECT A WINDOW WITH MAXIMUM UV FADING PROTECTION IF:

- You have an investment in furnishings that should be protected from damaging, UV radiation.
- You want to extend the life, color and appearance of your carpet, hardwood floors, furniture and drapes.