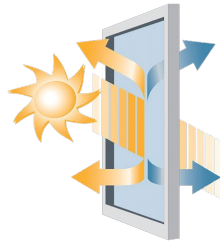


# Making The Choice for Energy Efficiency

## Windows: The Largest Energy Breach in your Home

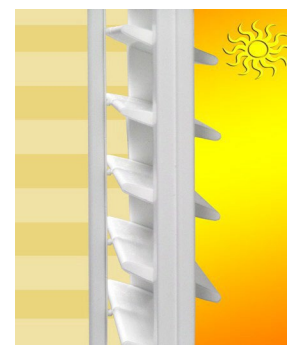
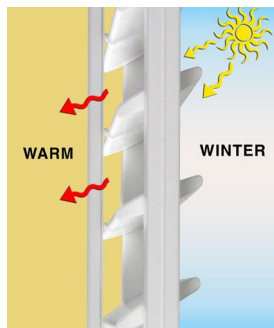
Up to 50% of a home's heating and cooling energy escapes through its windows. When compared to the roof or insulated walls, even standard double pane windows allow 10 times more energy to escape. One of the best ways to reduce your utility bills and save money is to simply cover your windows with Shutters.



### How shutters work to control energy

Shutters reduce heating, cooling and lighting energy needs in 3 ways;

1. **Solar Heat Control** – by allowing the sun's rays to come in during the winter and blocking them out in the summer, you can change your windows from being an energy breach to an energy source. On winter days, keep your shutter louvers open to allow the warm sunlight into your home. On hot summer days, keep your shutter louvers closed to keep your home cool.
2. **Heat Flow Control** – by closing your Shutter louvers, you can keep the heat within your home instead of allowing it to escape through your windows. This is especially important on evenings where temperatures shift significantly.
3. **Lighting Control** – shutters are a great way to control lighting into your home. Shutters allow you to make simple changes in the amount of light that enters your home, just by adjusting the tilt of the louvers.



### The ShutterSmart EnergyGuard System

The ShutterSmart EnergyGuard Shutter Insulation System is our polyclad wood shutter designed specifically to give you energy savings at the levels required by the federal energy tax credit program. This Shutter is designed to restrict energy loss or gain within the home. Unlike regular shutters, ShutterSmart EnergyGuard features the superior insulation of Thermocore louvers with a cellular air cavity. The panels are designed with rail strips that nest tightly into frames giving you the highest level of insulation available.

## Superior Thermal Insulation with ShutterSmart EnergyGuard

Heat flow through windows is best shown graphically in thermal imaging. Red areas indicate heat while Green areas indicate cool temperatures.



Regular Window

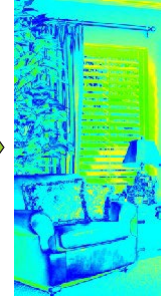


Red Areas indicate Heat

This Thermal image shows how a window with ShutterSmart EnergyGuard reduces energy loss when compared to a plain uncovered window. Notice the significant reduction in heat when ShutterSmart EnergyGuard Shutter Insulation System is used. ShutterSmart EnergyGuard Shutter Insulation System delivers up to a 30 degree protection against outdoor heat and cold extremes.



ShutterSmart Energy Guard Shutter



Green Areas indicate Cool Temperature

### Tested, Certified and what that means for you

ShutterSmart EnergyGuard Shutter Insulation System is tested and certified to qualify for the rigid standards of the Federal Energy Tax Credit. When you insulate your windows with ShutterSmart EnergyGuard, you can qualify to earn a tax credit of 30% of the cost of the shutters and up to a maximum of \$1200\*. These tax credits apply to all purchases that are installed by December 31, 2023. The Federal Energy Tax Credit guidelines require a U factor and a SHGC lower than 0.3. ShutterSmart EnergyGuard Shutter has been tested and exceeds both these requirements.

\* please refer to manufacturers certification

#### The U Factor

The U Factor is a measure of heat transmittance through a barrier. The walls of your home typically have a U factor of 0.06. Windows typically have a U Factor of 0.5. ShutterSmart EnergyGuard brings the U factor of your windows down under 0.3, almost tripling the energy efficiency of a standard double pane window. The result is that heat loss through your windows is cut by up to two thirds. This keeps your home warm at nights and during winter.

#### SHGC-Solar Heat Gain Coefficient

Solar Heat Gain Coefficient (SHGC) is the solar energy that comes into your home through your windows. The coefficient goes from 0 to 1, indicating the percentage energy that comes into your home. Double pain windows have a heat gain coefficient of 0.75, meaning that 75% of the heat gets into your home. ShutterSmart EnergyGuard reduces the heat gain to under 0.3 which means that less than 30% of the solar heat gets into your home. This keeps your home cool when there is direct sunlight during the summer days.

### ShutterSmart EnergyGuard delivers much more.

Energy Savings is just the beginning of what you get from ShutterSmart EnergyGuard.

ShutterSmart EnergyGuard delivers the elegance, look and feel of traditional wood but without the challenges of maintaining wood shutters. The polyclad wood construction has the strength of the highest quality wood shutters; the poly surface with our WoodTex Finish has the soft feel and look of wood. ShutterSmart is easy to clean and guaranteed against fading, warping, cracking and peeling. Here are some of the other benefits of the ShutterSmart PolyClad Wood Shutter.

- Award winning Polyclad Wood Shutters
- Durable and Low Maintenance
- Strong wood construction for large and wide door-like panels
- Easy to Clean
- Twist lock tilt rod hooks that don't pull out like staples
- Lifetime warranty

Learn more about our ShutterSmart Energy Guard

Call (800) 737 4569

[www.shuttersmart.com](http://www.shuttersmart.com)



ShutterSmart EnergyGuard