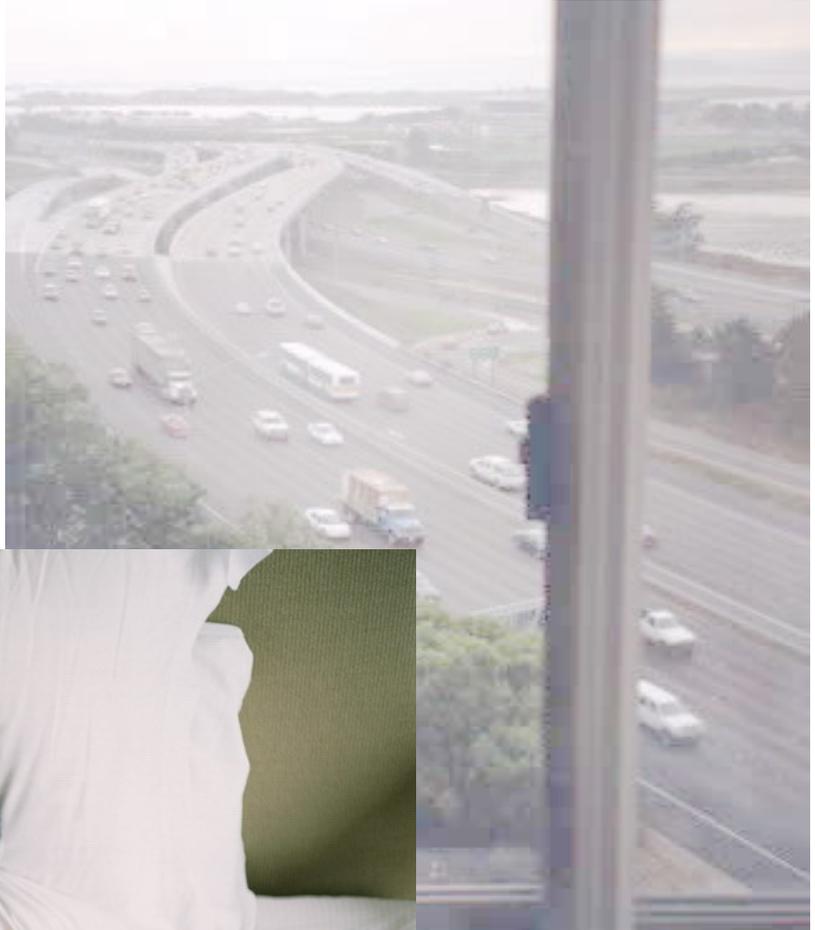


# SOUNDPROOF WINDOWS



Sleep like a baby . . . enjoy peace and quiet

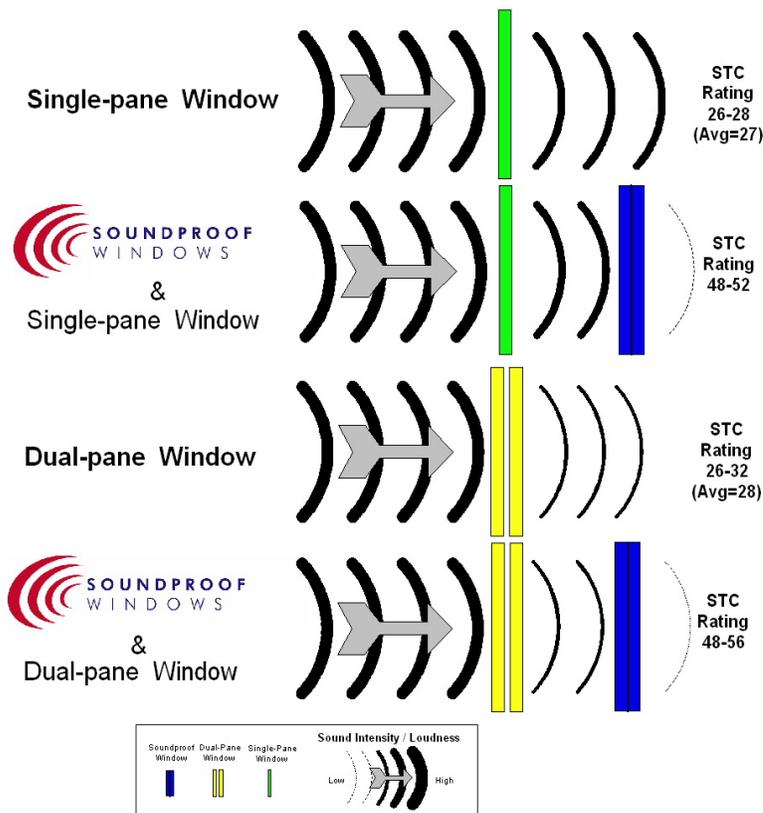
**Don't replace your windows. . .Soundproof them.**

**Reduce Noise Levels by 75% to 95%.**

**Create REAL peace and quiet.**

## What is it?

# STOP NOISE Window Comparison



A soundproof window is a second window placed behind your existing window that opens and closes just like your existing window. We do not remove or replace your existing window. Acoustically engineered to stop sound, it offers most of the benefits of dual-paned replacement windows and several benefits not available with replacement windows.

### • Absolutely Stops the Noise

Reduces noise levels by 75% and more - much more than any dual-paned replacement window. You will be amazed how dramatic the improvement is!!

### • The Best Insulation Available

Our two window system provides better insulation than any one window system. Our windows insulate better than ANY dual-paned window. Simply the best insulating windows available - period!

### • Removes 99.9% of color-fading UV light

Museum-quality protection for the harmful effects of UV light. Prevents the color-fading caused by ultraviolet light. UV light is often considered to be a health hazard that causes skin cancer and more.

### • Peace & Quiet - Lowered Stress - Better Health

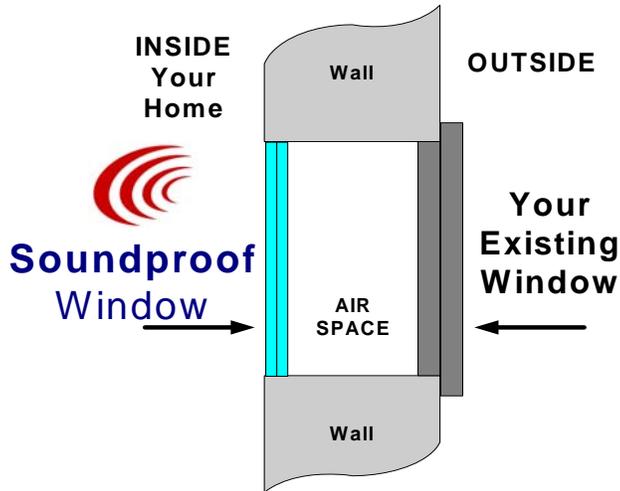
Stay home and enjoy "the peace and quiet of the countryside". Escape to the quiet surroundings of your own home, instead of only on weekend getaways and vacations. Noise causes restless sleep, higher stress levels, and can easily lead to hearing loss and other long-term health risks. More and more is being discovered about the harmful effects of even moderate noise levels in your home and work environment.



## **General Questions**

**What do you mean a second window installed behind our current window? How does it work?**

Look at the drawing. Your current window is mounted on the outside edge of your window opening - our windows are mounted to the inside edge, leaving your current window intact - a two window system.



**Do they open and close like regular windows?**

Our windows operate like your current windows. If your windows slide open--so will ours. If your windows raise upward--so will ours. Our windows are fully operational, and easy to remove for cleaning.

**What kind of insulation values do your windows have?**

Our windows have superior insulation values. Our two window system has better insulation values than single window systems. Most windows are only designed for insulation - not for sound - and the two are very different. Fortunately, what works for sound, works even better for insulation. Our R-values range from 3.0 to over 5.5. Air infiltration is virtually eliminated, which adds significantly to the overall energy savings.

**What do your windows offer that dual-pane windows don't?**

Our windows improve on virtually all the benefits available from dual-paned windows, and more. For noise control or insulation - our windows are significantly better. We provide more benefits, yet do not cost more. There are more standard benefits:

- 1) Better insulation than any dual-pane window. And, if you have dual pane windows - we improve them substantially.
- 2) Air infiltration is virtually eliminated.
- 3) 99.9% of harmful color-fading UV light is removed.
- 4) Extra energy savings that will pay for these windows.
- 5) Easy installation--no mess or construction required.

**How much do they cost?**

We will need to measure your windows and give you an estimate. However, we will give quotes over the phone - so measure your windows and give us a call. Soundproof Windows are about the same cost as an average replacement window. Until we can give you an estimate, you can use a \$400-\$750 average and be reasonably close in most cases. We are competitive with replacement windows, yet we offer more benefits. Since our installation requires no construction to

remove your windows and repair the outside walls - our windows usually cost less. You get more window value for your money.



**My Home Owner Association won't let us replace our windows! Would they allow your windows?**

Yes. We have NEVER had our windows rejected by any Homeowner Association. Since the windows are installed on the inside, there is/should be no reason to even get approval. They do not change the outside appearance and should be considered similar to curtains (you can barely tell that they exist).

**My condo is on the fifth floor - I cannot afford replacement windows. They cost too much to install!!**

Not with Soundproof Windows. We install from the inside and avoid the costs of outside installations.

**You say it blocks out the sun's UV rays - is that really important?**

Yes and No. The inner layer of plastic used in our laminated glass blocks 99.9% of all the UV light from passing through. UV light causes colors to fade. Museums always use laminated glass. Most furniture stores do, too. Some of our customers buy our windows, not for sound, but for the UV protection. It is a benefit that may or may not be important to you. Many consider UV light to be a serious health hazard.

**I have already installed double-paned windows. I still have a noise problem. Will your windows help?**

Yes! Our windows significantly reduce sound, regardless of what your current window design is.

**Will this fix my old, leaking windows?**

If they are leaking water, NO. If they are leaking air, creating drafts, etc., YES - definitely.

**Noise comes through my doors, especially my sliding glass door. What can you do for this?**

We also do sliding glass doors! We have a superb sliding glass door solution - mountable to the inside or the outside of your existing door!



## **Technical Questions**

***I have a noise problem, but how much of the problem is the window, and how much is the wall?***

Even bad walls will stop more sound than double-paned windows. Your windows (and doors) are the source of noise problems 99% of the time. Until your windows are as quiet as your wall it will be the source of all your noise. Noise comes through the weakest area. Try this test: In the noisy room, where does the noise seem to come from? Open one window a small amount. Now, where is all the noise coming from? The open window will be the answer! The noise problem is your windows - not your walls. Windows 99% -Walls 1% (usually).

***In simple terms, how much noise is stopped by different types of windows.***

Double-paned windows will reduce noise levels from -5 to 20% (compared to single pane). Sometimes there is no improvement. If you pay for the higher 34-35 STC windows it can be as high as a 25% noise reduction. Soundproof windows will reduce the noise levels by 75%. More reductions are possible - up to 95%.

***How do you measure this 75% reduction?***

In truth, the drop in sound is significantly higher -an instrument measured 90-99%. However, the human ear constantly adjusts its own sensitivity as the sound volume changes. As an example, the sound of a pin dropping is hard to hear in a loud room, but easy to hear in a quiet room. So, the 75% refers to the "perceived" drop in sound. It is often perceived to be greater than 90% but is rarely thought to be less than 70%.

***OK, what is this STC stuff?***

STC stands for *Sound Transmission Class*. Basically, it is an established way to *average how much sound is stopped by something*. It is used for windows, doors, walls, and most building materials. For windows, it ranges from 18 to 37.

***What STC ratings do my windows have?***

If you have *single-paned windows*, it is most likely between 20 and 28. The average is 27. The difference is the glass thickness and how airtight your window is. Louvered windows can be less than 18 in many cases.

*Double-paned windows* usually vary from 26 to 35 (most are 28-30). Most have good air seals, but the variation is due to the

glass thickness and the amount of air space between the glass. The bigger air space and thicker glass is preferred.

*Soundproof Windows* range from 48 to 57(with more possible). It varies depending on your existing window and the air space. Over a single-paned window in a standard wall, we have a 48 to 52 rating. Over double-paned windows we get a 48-57 or more. With increases of air space, we can easily achieve over 50.

***There is not much difference in these numbers? Why?***

It uses a special scale like the earthquake Richter Scale (logarithmic scale). So, a 28 is much larger than just 1(one) unit or number bigger than a 27.

***Will your windows stop ALL sound from coming through my windows?***

*No*. We will reduce it very significantly. There will be less noise coming through your windows than your walls in many cases (Most walls are an STC 42-48, our windows are 48-57). We can do several things to increase STC ratings even more.

***Do Soundproof Windows always solve noise problems?***

95% of the time – yes. Deciding if it is “enough” reduction is subjective. The windows are your major problem. After fixing your windows you may want to reduce the noise levels even more, but your first major step needs to be your windows. In at least 95% of the cases, this is all that is needed. Since our windows often exceed the typical wall STC values, additional soundproofing for the walls in extreme cases can be helpful to further reduce the noise – but that is needed in less than 2% of our installations.

***Please call us with any other questions you may have!***



**TOLL FREE (877) 438-7843 fax (877) 226-4063**

**[www.soundproofwindows.com](http://www.soundproofwindows.com)**

**Sales and Installation available NATIONWIDE !**