

SoundFence™



- ◆ Weather resistant for years of service
- ◆ Turns an ordinary fence into a black hole for noise
- ◆ Up to 50% quieter than a concrete block wall
- ◆ Easy to install, modular design
- ◆ Stops noise instead of reflecting it
- ◆ Unique approach to acoustic privacy
- ◆ Only available from Acoustic Sciences



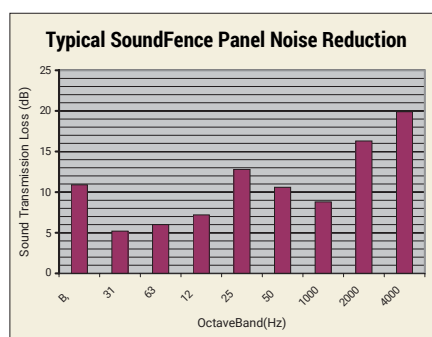
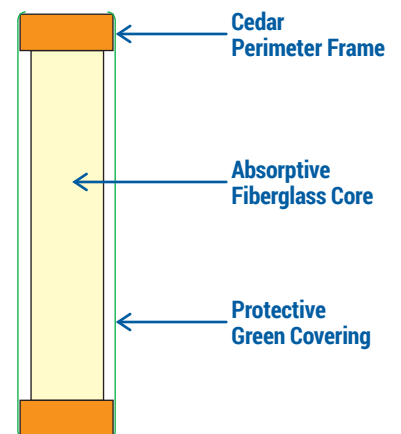
Serious Outdoor Noise Control

Acoustic Sciences Corporation (ASC) has the solution to your outdoor noise problem, be it an environmental issue such as a nearby freeway or railroad, or a neighborhood problem such as loud gatherings, barking dogs or playing children or a localized problem such as a heat pump or A/C unit (the ASC SoundFence is durable, weather-resistant, easy to install, and affordable).

Help Has Finally Arrived

Typical cedar fencing is affordable, that's why everybody has it. But cedar fencing is fairly useless in managing noise because air gaps between boards leak sound. The unique ASC SoundFence is a simple, contractor-friendly, weather resistant system that stops noise dead in its tracks.

ASC manufactures the 3" thick, panelized noise stopping unit that gets nested inside of your cedar fence with slats on both sides. The panels are shipped to you in modular form, ready to be dropped into place. You provide the cedar fence, we provide the noise control. The unit panels are built in sections that fit between the upper and lower rails of a fence with 4x4 posts, typically on 4' centers.



This Noise Stopper Works 24/7

Most noise barriers available today merely reflect noise, which means the noise still exists and can continue to cause problems for you and others. Noise can also curve around and over barriers in unexpected ways, causing endless headaches for homeowners and architects.

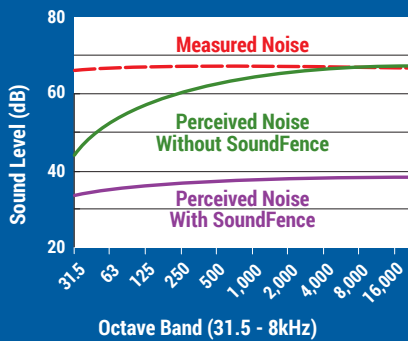
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Background Noise



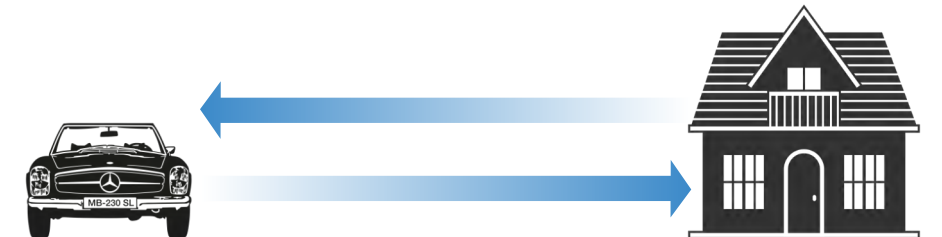
The SoundFence is most effective at frequencies above 500Hz which is also the frequency range most perceived by the human ear. SoundFence flattens the perception curve across the sound spectrum while at the same time lowering the overall noise level. SoundFence not only reduces the overall noise level, but reshapes the perceived noise to meet the architectural standards for acceptable levels which is a perceived flat spectrum.

It is helpful to understand that outdoor noise does not travel in a straight line. A barrier type fence or wall may sound quiet when one is near it, yet the noise tends to "jump" and may crop up from a slight distance. Therefore, the best course of action when dealing with noise is to make it go away permanently with an ASC SoundFence.



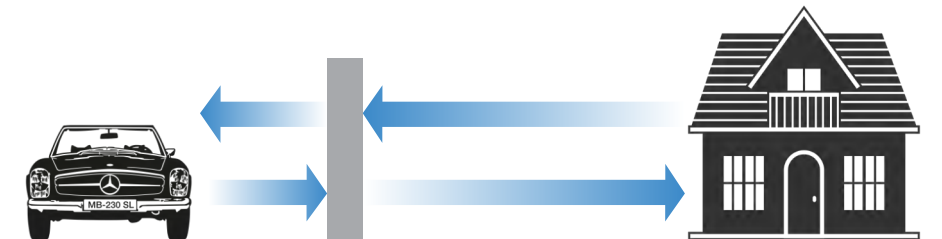
How SoundFence Works

The ASC SoundFence is different than the typical cement sound wall. It is one of the only fences in the world that absorbs sound instead of letting it reflect off buildings and other solid objects.



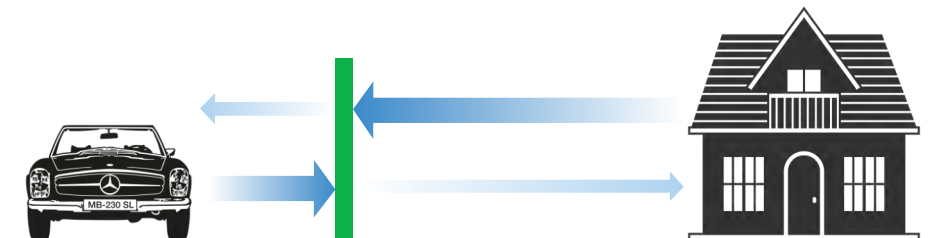
No Sound Wall

In this situation, sound travels freely between the noise source and your home. The worst scenario, though unfortunately all too common.



Typical Highway Soundwall

Here, sound is reflected from both sides of the wall. Car noise bounces back onto the roadway, and yard noise bounces back to the house. An echo effect is created, potentially increasing the noise level for some neighborhood residents.



The ASC SoundFence

Here, sound is absorbed on both sides of the fence. There is no echo chamber effect as sound intensity is greatly reduced. Both street and backyard noise is reduced and a more comfortable ambiance is achieved. The whole neighborhood sounds better!

SoundFence Design

SoundFence Panels can be built 44.25" wide to work with existing 4' center fences or to whatever width is needed for your project. The recommended SoundFence design uses 4x4 pressure treated posts spaced four feet on center. Along the base of the fence add a pressure treated ground seal, buried 3" below grade and extending at least a few inches above grade. This seal prevents unwanted noise from sneaking under the fence. The ground seal can be 2x6, 2x10 or 4x6 for extra strength.

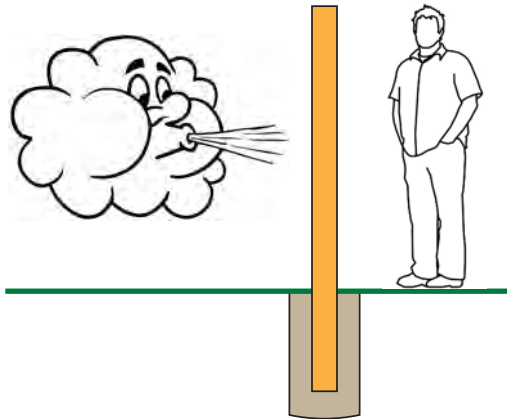
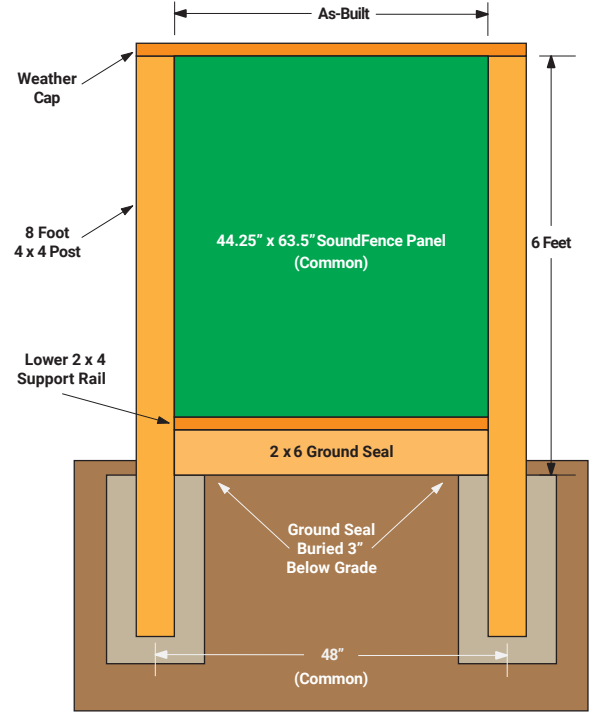


The actual SoundFence Panels rest between 2x4 pressure treated top and bottom rails, strung between the posts. These rails can be used to attach 1x4 cedar slats, or left un-slatted.

To size your Panels, subtract from the finished height the "ground seal", plus the 2x4 support rails, and any slat

reveal above the top rail. Therefore, a 6 foot high fence might use SoundFence Panels that are 63.5" high.

SoundFence Panels do not require cedar slats, but do require a weather cap (see diagram) to protect the Panel from direct impact of rain.



Why Posts on Four Foot Centers?

Typical 8' fence post centers are for light weight fences that have little to no wind resistance. The SoundFence is sealed air tight from the ground up, causing a strong wind load pressure, so tighter post spacing is suggested.

We recommend that you contact local fence contractors or structural engineers who know wind load requirements for your area. ASC cannot be responsible for permitting or zoning requirements in your area..

SoundFence Cost

To help you determine project cost, we've listed our most popular sizes. If you are planning a SoundFence project, use these panel sizes in your design. Please contact us for a quote on any size or quantity you are interested in using for your noise control needs.

4' x 6'	5' x 8'	2' x 6'	Custom
\$670	\$838	\$500	Add 10%

SoundFence Project Photos

The success of ASC SoundFence has led to its use in numerous applications. Quieting heat pumps, noisy roads, creamery chillers, cell phone towers, etc...

