



- ◆ 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

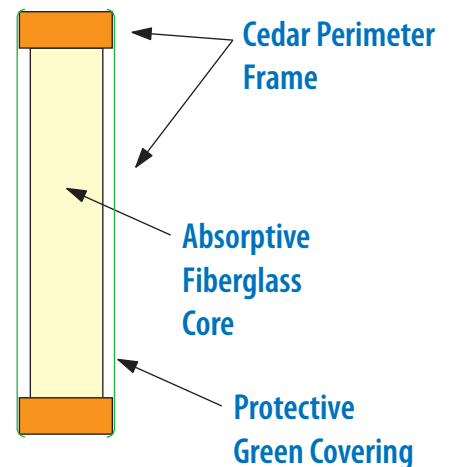


Acoustic Sciences Corporation (ASC) has the solution to your neighborhood noise problem, be it an environmental noise control issue such as a nearby freeway or railroad, or a common neighborhood noise problem such as loud neighbors, barking dogs or playing children. The ASC SoundFence is durable, weather-resistant, easy to install, and affordable. Also a great solution for noisy heat pumps or AC units.

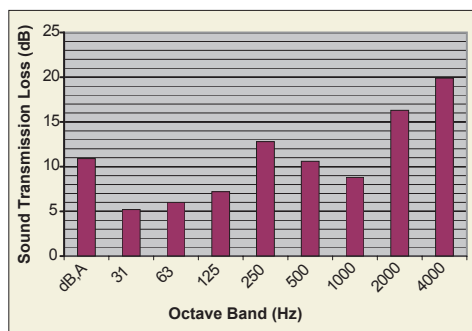
Help Has Finally Arrived

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; something that standard cedar fencing is missing.

ASC manufactures the patented 3" thick, panelized noise stopping unit that gets nested inside of a 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. Plus, our engineers are ready to help if you run into trouble. The unit panels are built in sections that fit between the upper and lower rails of a fence with 4" x 4" posts on 4' centers.



2" SoundFence Panel Noise Reduction



This Noise Absorbing Barrier

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.

ASC ACOUSTIC SCIENCES CORPORATION

Headquarters:
4275 West 5th Ave.
Eugene, OR 97402

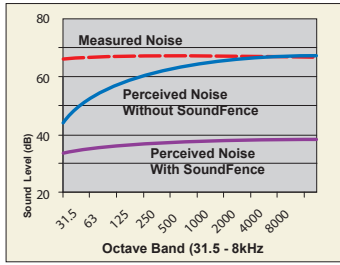
Contact:
Ph: 541.343.9727
Fax: 541.343.9245
info@tubetrap.com

www.acousticssciences.com

1 800 272 8823



Background Noise

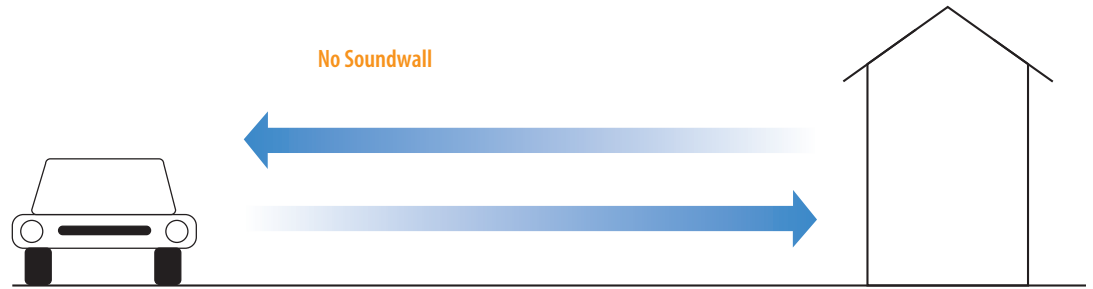


The SoundFence is most effective at frequencies above 500Hz which is also the frequency range most perceived by the human ear. SoundFence flattens the perception curve across the sound spectrum while at the same time lowering the overall noise level. SoundFence not only reduces the overall noise level, 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.

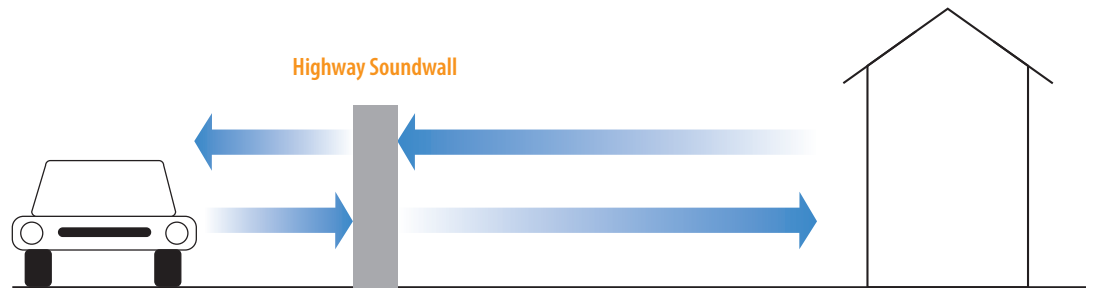
How SoundFence Works

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



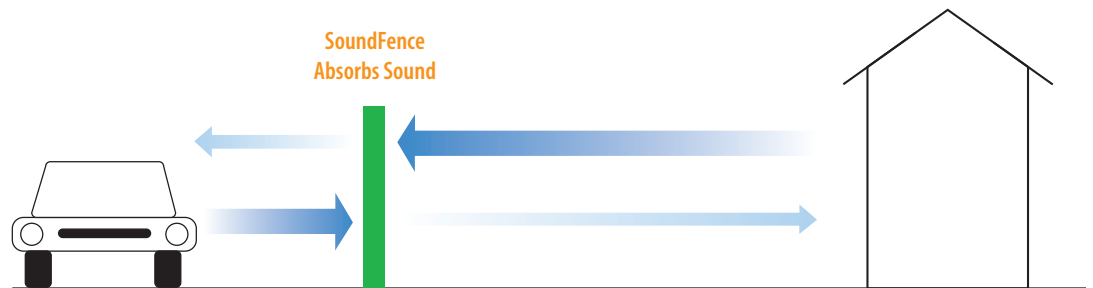
No Sound Wall

In this situation, sound travels freely onto the property and sound reverberates on the property freely.



Typical Highway Soundwall

Here, sound is reflected from both sides of the wall. Car noise bounces back onto the roadway, but yard noise bounces back to the house. An echo effect is created.



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.



SoundFence Design

SoundFence Panels are always 44.25" wide, and any height from 1-10 feet. The recommended SoundFence design uses 4x4 pressure treated posts spaced four feet on center. Along the base of the fence

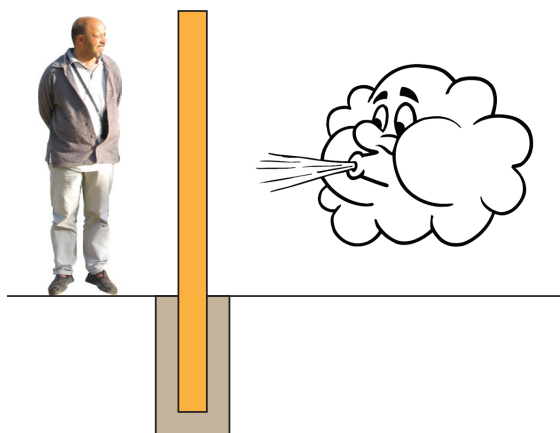
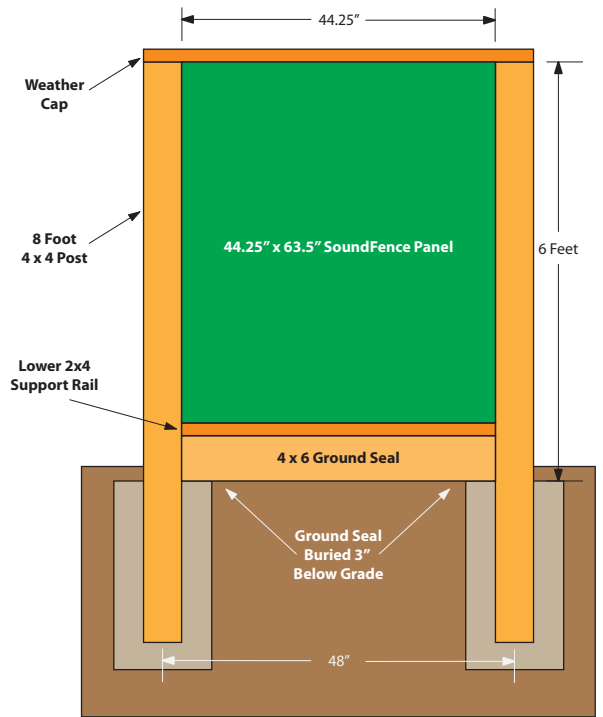


add a pressure treated Ground Seal, buried 3" below grade and extending at least a few inches above grade. This Seal prevents unwanted noise from sneaking under the fence. The ground seal can be 2x6, 2x10, or 4x6 for extra strength.

The actual SoundFence Panels rest on 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 would likely have SoundFence Panels that are 63.5" high. SoundFences must have 4 foot on-center spacing between posts.

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



Why Are Posts on Four Foot Centers?

Fence posts should be pressure treated 4x4 or 4x6. If using 4x6 posts, the 6" dimension of post is always perpendicular to the line of the fence.

Typical 8' fence post centers are for light weight fences that have little to no wind resistance. The SoundFence uses 4' fence post centers because it is sealed air tight from the ground up, causing a strong wind load pressure.

We recommend that you contact local fence contractors or structural engineers who know wind load requirements for your area. Be sure to apply for a building permit, and comply with all state and local zoning requirements.

Cost

Standard SoundFence Panels are always 44.25" wide. To help you determine project cost, we've listed our most popular sizes below. 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.

Standard	4 Ft.	6 Ft.	8 Ft.
44.25" Wide	\$406	\$495	\$574



SoundFence Project Photos

The success of ASC SoundFence has led to its use in numerous applications. Quieting heat pumps, natural gas drilling rigs, creamery chillers, cell phone towers, you name it. If you have a use for the SoundFence, the ASC crew can work with you to develop it. Engineering and custom charges are based on each project.



Industrial Noise



Residential Heat Pump



Residential Heat Pump



Housing Development



Cell Phone Tower



SoundFence Cross-section