



North American Office
Acoustiblok, Inc.
6900 Interbay Boulevard
Tampa, FL 33616 USA
Phone: 813-980-1400
Fax: 813-549-2653
www.acoustiblok.com
sales@acoustiblok.com

SECTION 7

Acoustifence™

- Acoustifence Product Information
- Installation Profiles

Acoustifence® Information

- The material itself is lab tested STC value of 28 which represents over an 80% reduction in sound to the human ear. (Your results will be less as sound reflects off all surrounding materials or structures, i.e., buildings, etc.)
- Works extraordinarily well at blocking sound.
- Far less sound reflected than solid walls.
- Installed or removed in less than one hour.
- UV tolerant and does not support mold.
- Virtually indestructible, very resilient material.
- 100% recyclable
- Comprised of 100% recycled materials.
- Will accept most paint finishes.
- Includes qty. 70, 11 in. heavy duty 120 lb. (black) nylon wire ties
- To store, Acoustifence easily rolls up like a carpet.
- Surface scratches easily minimized with a quick wipe of WD-40.



Material Specifications – Part # “Acoustifence 6x30 Industrial”

Acoustical Rating	STC 28 / OITC 22
Size	6 ft. (1.83m) x 30 ft. (9.14m) x 0.125 in. (.3mm) 180 ft² (16.72m²)
Weight	185 lbs. (84Kg)
Fastening	Black brass grommets every 6 in. (152mm) along top edge with four grommets spaced along the bottom edge. Commonly installed horizontally.
Color	Black
(This is an industrial product and minor surface blemishes are a possibility.)	



Acoustifence® Installation

Number of people: 2

Time required: 20/30 min.

Items: Utility Knife, Pliers, 70 lb. wire ties (included with purchase)

1. Cut and remove the plastic wrap around the roll.
2. Lean the roll against the fence as vertical as possible with the grommet edge to the top. Line up the top of the roll to the top of the fence or at the desired height.
3. Begin unrolling the Acoustifence material along the fence. Have one person slowly unroll the material while the second person inserts the ties in each grommet as the material is unrolled. Insure that the material is kept taught as you install the wire ties to prevent it from sagging.
4. Remove the tape and roll core.
5. Pull each cable tie (included in fence purchase) so that the Acoustifence is properly lined up at the desired height. DO NOT make the cable tie tight! It must be loose enough to allow the eyelet to pivot freely. Try to distribute weight equally.
6. Do not trim off end of cable tie until you are sure weight is distributed equally.
7. Any scuffing or blemishes sometimes resulting from shipping may be addressed by using WD-40 and a rag.
8. Very cold temperature will reduce flexibility when installing.

Date: 05/25/2006

Specimen: Acoustifence Sound Barrier Material

Specimen Area: 6.0 Sq. Ft.

Filler Area: 134.0 Sq. Ft.

Operator: Benjamin W. Green

	Bkgrd	Absorp	Source	Receive	Filler	Specimen
Temp F	73.9	74.0	73.1	73.9	73.1	73.7
R. H. %	65.7	65.7	63.3	65.7	61.4	65.1

Freq (Hz)	Bkgrd SPL (dB)	Absorp (Sabines / Sq. Ft.)	Source SPL (dB)	Receive SPL (dB)	Filler TL (dB)	Specimen TL (dB)	95% Conf Limit	No. of Deficiencies	Trans Coef Diff
80	43.0	52.5	84.2	63.7	36.3	11	2.54	0	11.7
100	39.2	59.1	87.7	62.9	40.3	15	3.77	0	12.0
125	47.4	55.9	91.5	63.7	47.5	18	2.02	0	15.9
160	43.4	50.4	94.2	68.8	46.2	16	1.06	0	16.5
200	43.0	54.9	97.9	73.5	49.6	15	0.80	3	21.3
250	35.8	53.0	99.3	72.2	51.0	18	1.12	3	19.8
315	33.7	57.2	95.7	67.5	54.0	18	0.53	6	22.1
400	33.3	56.0	95.0	64.6	58.4	21	0.78	6	24.3
500	31.6	56.3	98.8	65.4	60.5	24	0.30	4	23.4
630	25.1	57.7	101.5	66.9	65.2	25	0.53	4	26.9
800	25.2	59.9	101.3	63.8	67.4	27	0.54	3	26.4
1000	23.2	62.6	101.0	61.9	72.2	29	0.49	2	29.8
1250	23.8	69.4	105.1	63.7	78.0	31	0.28	1	33.8
1600	20.1	70.2	111.4	68.6	81.8	32	0.22	0	36.3
2000	15.0	76.3	107.4	63.2	79.9	33	0.22	0	33.2
2500	7.5	86.9	105.9	59.3	74.8	35	0.23	0	26.3
3150	8.4	102.0	106.6	58.0	77.8	36	0.33	0	28.0
4000	7.7	124.9	105.6	55.0	81.1	37	0.33	0	30.2
5000	8.1	162.8	104.1	51.0	81.0	39	0.36	0	28.7

STC Rating = 28 (Sound Transmission Class)

Deficiencies = 32 (Number of deficiencies versus contour curve)

OITC Rating = 22 (Outdoor / Indoor Transmission Class)



PRESS RELEASE

For Immediate Release

Contact: Liz Ernst, Director of Public Relations

Lizernst@acoustiblok.com

813.980.1400 x 210



Acoustifence® Brings Peace and Quiet Back to Seattle Residents Living with Light Rail Train Noise

SEATTLE, Washington – November 2, 2010 -- When the Link light rail system first began running in July 2009, Rainier Valley and Tukwilla residents in south Seattle were unprepared for the screeching, tearing and grating sounds that began filling their air space 20 hours per day, seven days a week.

Sound Transit Authority's Justin Garrod, project manager for the Link rail system was called upon to find a solution to the high noise level that exceeded federal standards in south Seattle and dramatically interfered with the area residents' quality of life. After doing the research and trying other methods, Gerrod and his staff discovered Acoustifence, which is comprised of a unique sound deadening material - a perfect temporary fix, Gerrod thought, until a permanent solution could be found.

After simply hanging the Acoustifence from 5,000 feet of guardrail flanking the actual rail tracks, Gerrod quickly realized he had found a permanent solution.

"We're convinced this is it, this is the answer to the noise problem," Garrod said. "Acoustifence met all the criteria, it's cost effective, easy to maintain and an excellent sound deadening material."

--more--

Additionally, installation was easy as the Acoustifence is easily cut to size for a custom fit and attached with supplied industrial strength nylon ties connecting the material to the existing guardrail.

“We combined the Acoustifence material with rail grinding (another noise reduction measure) and the combined results were exactly what we needed,” Garrod said.

When Sound Transit was originally designing the Link light rail system, noise levels were predicted by examining studies on the noise output of other similar light rail transit systems in other cities.

Based on the expected noise levels, mitigation features were designed into the original project. These features included sound-insulating some of the homes along Martin Luther King Jr. Way S. in south Seattle and constructing noise walls in Tukwila. Still, the noise deadening measures taken did not work for all areas of Tukwila, with some still exceeding federal standards. (Solid barrier walls do little to mitigate rail noise. Solid walls reflect the noise back at the rail car, which in turn reflects the noise back over the top of the wall.)

Steve Hibbens, rail noise consultant for Acoustiblok, the company that manufactures and distributes Acoustifence, said the solution worked so well, Sound Transit Authority plans to order more of the patented noise abatement material to keep in stock. Hibbens is also working with Atlanta’s rail system, MARTA, implementing Acoustiblok All Weather Sound Panels to absorb rail noise.

“Sound Transit Authority is really happy with the results,” Hibbens said. “There have been several write-ups about the project success in Seattle area papers.

“The neighbors are happy too.”

ABOUT ACOUSTIFENCE:

Acoustifence is a simple and economical noise abatement solution for both residential and industrial usage. A 1/8-inch (3mm) thick unique sound deadening material measuring 6-feet (1.82 meters) high by 30-feet (9.14 meters) long with black anodized brass eyelets along the top and bottom edge for easy attachment. Seventy, 125-lb. heavy-duty nylon ties are included with each roll. Easily installed or removed in less than one hour, impervious to mold, mildew, and UV, Acoustifence is virtually indestructible.

The soundproofing material in Acoustifence is a proprietary formula of the Acoustiblok® Corporation, developed and refined over a 10-year period for various applications. Acoustiblok is recognized and sold worldwide, earning product awards from the British House of Commons, as well as being one of NASA’s Top 50 Spinoff companies.

Acoustifence has proven performance in highway environments, construction sites and waste-to-energy plants, and can accommodate any height fence or structure by simply overlapping the sections. To store, Acoustifence sections simply roll up like carpet into less than a 12-inch diameter.

Independent lab tests of the Acoustifence material show a sound transmission classification (STC) of 28, which represents to the human ear an approximately 85-percent reduction in sound. However, results will be less relative to surrounding sound-reflective objects such as buildings or trees and the amount of Acoustifence installed.

Acoustiblok President Lahnne Johnson believes the application potential of Acoustifence to landscaping projects (especially berms) is endless.

“This very simple, economical sound abatement product will quickly become popular in new and existing landscape settings thanks to its unequalled ability to reduce unpleasant exterior noise,” Johnson said. “It boils down to providing a better quality of life for anyone living near any annoying noise source.”

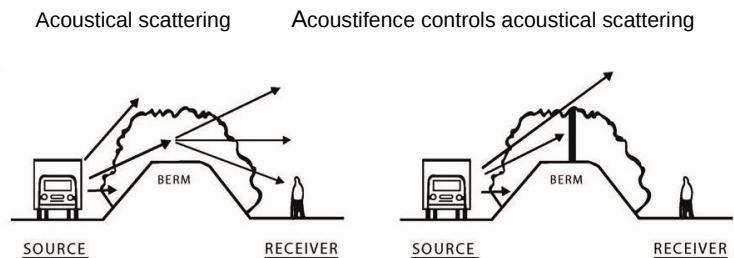
For more information on Acoustifence, visit our website at www.acoustiblok.com, call us at 813-980-1400, or E-mail us at sales@acoustiblok.com.

###



Press Release
For immediate release
 March 12, 2010

Contact: Liz Ernst
Lizernst@acoustiblok.com
 813.980.1400 x 210



Acoustiblok® Corporation Combines Acoustifence® and Earth/Foliage Berm to Reduce Outdoor Noise Pollution

Tampa, FL – As any landscape professional already knows, installing trees and vegetation on a berm between roadway traffic and residences may be aesthetically pleasing, but these elements are not effective noise control barriers. Acoustiblok Inc., a world leader in noise abatement for both inside and outside installations, has announced the release of *Acoustifence*, a revolutionary new defense against outdoor noise pollution.

The fact is, foliage or trees on earth berms can actually increase noise. Since sound is dispersed in much the same way as light, it will penetrate and reflect off the foliage in all directions, including that side of the berm that is meant to be peaceful and quiet. Although the higher the berm, the better the sound deflection, it is far more affordable and more practical to increase the berm height by installing *Acoustifence* than it is to add fill to the berm.

Adding a six-foot high *Acoustifence* to the berm not only drastically increases the berm's blocking protection, it eliminates the real problem of the sound reflecting off the foliage and into those outdoor spaces that are meant to be serene. Limp and heavy, *Acoustifence* is a proprietary formula, heavy mineral filled, viscoelastic polymer which is easily cut with a utility knife. *Acoustifence* produces far less noise reflection than solid barriers. While other materials attempt to "block" or "absorb" sound, Acoustiblok does neither. As the heavy, limp *Acoustifence* material vibrates when sound waves hit it, it actually transforms the acoustical energy into inaudible friction energy in a process sometimes referred to as "isothermal adiabatic".

--more--

The all-weather Acoustifence can be hung from any substantial structure, such as a chain link or wood fence, or from a pipe frame structure.

A simple and economical noise abatement solution for both residential and industrial usage, Acoustifence is a 1/8-inch (3mm) thick material measuring 6-feet (1.82 meters) high by 30-feet (9.14 meters) long with black anodized brass eyelets along the top and bottom edge for easy attachment to any chain link fence or other framework with the 70, 125-lb. heavy duty nylon ties included with each roll. Easily installed or removed in less than one hour, entirely impervious to mold, mildew, and UV, Acoustifence is virtually indestructible.

Based on the same soundproofing material developed by the Acoustiblok Corporation for indoor noise abatement, Acoustifence is a proprietary formula of the Acoustiblok® Corporation, developed and refined over an eight year period for various applications. Acoustiblok is recognized and sold world-wide, earning product awards from the British House of Commons, as well as industry publications including Builder News Magazine.

Acoustifence has proven performance in highway environments, construction sites, offshore oil rigs and waste-to-energy plants. One can accommodate any height fence or structure by simply overlapping the Acoustifence sections.

At a construction site, it can be attached to scaffolding or the building structure itself. To store, the Acoustifence sections simply roll up like carpet into less than a 12-inch diameter.

Independent lab tests of the Acoustifence material shows a sound transmission classification (STC) of 28, which represents to the human ear an approximately 85-percent reduction in sound. However, results will vary greatly relative to surrounding sound-reflective objects such as buildings, structures or trees and the amount of Acoustifence installed.

Acoustifence is a real boon to landscape architects, who already know they can not rely on foliage to block noise. Additionally, it is a totally paintable, 100-percent recyclable, environmentally friendly answer to the problem of outdoor noise pollution.

Acoustifence has already proven its value to Celine Chick, owner of the Park Restaurant in Dallas, Texas. Facing potential legal troubles over ambient noise affecting neighbors next to her restaurant, Chick chose to install Acoustifence to the outside perimeter of her property. The results were even better than expected.

"I had complaints from neighbors about the noise coming from our outdoor patio, and we purchased three Acoustifence panels to block out the music and the noise in general," Chick said. "The neighbors are much happier now, and we can keep our customers happy with music outdoors.

"Acoustifence is definitely something we would recommend to residential customers as well as commercial customers."

--more--

Easily hidden and requiring minimal disruption to plants, Acoustiblok President Lahnne Johnson believes Acoustifence has great potential for landscaping projects.

“This very simple, economical sound abatement product will be extremely popular in new and existing landscape settings thanks to its uncomplicated ability to reduce unpleasant exterior noise. It allows a better quality of life for those living on the side of a highway or other invasive noise source,” he said. “After all, our mission is quieting the world.”

(For those seeking the ultimate in outdoor noise reduction, Acoustiblok also manufactures the “All Weather Outdoor Sound Panels®”.)

For more information on Acoustifence, visit our website at www.acoustiblok.com, call us at 813-980-1400, or E-mail us at sales@acoustiblok.com,

###