



INDUSTRIAL GRADE APPLICATIONS



Industrial grade noise control products

- Flexible solutions for
- **Construction Noise**
- **Mechanical rooms**
- **Media rooms**
- **Hotels**
- **Hospitals**
- **And much more**

Absorber

- Sound **absorbers** reduces the ambient noise levels in a room by reducing the “echo” effect.

For use in

Factories

Enclosed Swimming areas

Manufacturing plants / Warehouses

Factory

Problem:

Loud manufacturing facility requiring hearing protection for all employees

Solution:

Hang Sound Absorptive baffles from the ceiling

Result:

Hearing protection no longer required



Swimming Pool

Problem:

People can't hold a conversation because of the "echo" in this swimming area

Solution:

Suspend Water Proof baffles from the ceiling to reduce the "echo"

Result:

People can understand each other in a conversation



Pre-fab metal buildings

Problem:

Employees can't understand announcements being made over the PA system

Solution:

Line the walls and ceiling of the building with ANC-AB2-2 Sound Absorptive panels

Result:

Announcements easily understood by employees



Composites

- **Composite panels** stop the transmission of noise from one area to another.

For use

Indoor applications

In Manufacturing plants

To enclose Compressors

Outdoor Applications

On Construction areas

To quiet Noisy machinery

Indoor Noise Problems

ANC-AB12 Barrier Septum Composite

A non-reinforced loaded vinyl noise barrier sandwiched between two layers of quilted fiberglass. Use for sound absorption on both sides of product, or as a decoupled / barrier / absorber acoustical liner.



- Available in roll form with either bound edges or unbound edges
- Available as modular panels with grommets and Velcro.
- Acoustical jackets, die-cut pieces, custom fabrications
- STC-29
- NRC- .85

Noise control wall separates manufacturing plant

Problem:

Noise from one area of the plant intruding into other work areas

Solution:

Create a multi-tiered wall to divide the plant into two work areas using ANC-AB12 acoustical panels

Result:

Each work area was separated physically and acoustically



Tennessee Gas expansion halted by noise complaints

Problem:

Complaints of high noise levels at the property line were holding up Tennessee gas' plans to expand this compressor station



Solution:

Install ANC-AB13 panels on the walls and ceiling of the compressor station



Result:

A 10 dB reduction was achieved and expansion of the building was allowed

Waste Water Treatment plant

Problem:

3 centrifugal turbo-air blowers produced loud noises both inside and outside the plant

Solution:

Enclosing the machines with ANC-AB12 panels, while providing adequate air flow



Result:

Noise reduction of 14 dB(A) at 3 feet from the unit

Mezzanine Area @ pulverizing mill

Problem:

Noise levels of 94 dB(A) caused by equipment on a mezzanine. The noise had to be reduced *without* restricting accessibility



Solution:

Use ANC-AB12 panels to surround the equipment on the mezzanine

Result:

At floor level the noise was reduced to 80 dB(A)



Curtain enclosure quiets noisy swaging machine

Problem:

Hammers and rolls within the swagger produced noise levels above 100 dB

Solution:

Completely enclose the swagger with a free standing enclosure and ANC-AB12 panels

Result:

A 20 dB reduction (@ 3') was achieved eliminating the need for hearing protection



Outdoor Noise Problems

ANC-AB1-EXT-R2 Barrier Backed Composite

A reinforced loaded vinyl noise barrier (UV resistant) bonded to a 2 inch thick acoustical fiberglass quilted with a heavy duty VCP facing on one side .



- Maximum Durability & Longevity outdoors
- Sewn with gore Tenera thread
- Modular panels are constructed with grommets across the top and bottom & exterior grade Velcro
- STC-33
- NRC-.96 @ 250 Hz

Construction Sites

Problem:

Construction Noise was radiating into the adjacent neighborhood creating a public relations problem for the construction company

Solution:

Install ANC-AB1-EXT-R2 panels around the perimeter of the construction site

Result:

Construction noise was quieted and construction allowed to continue



Blowers on dust collection systems

Problem:

Neighbors to this manufacturing facility complained about the noise from the dust collection system

Solution:

Install ANC-AB1-EXT-R2 panels to a chain link fence surrounding the dust collector

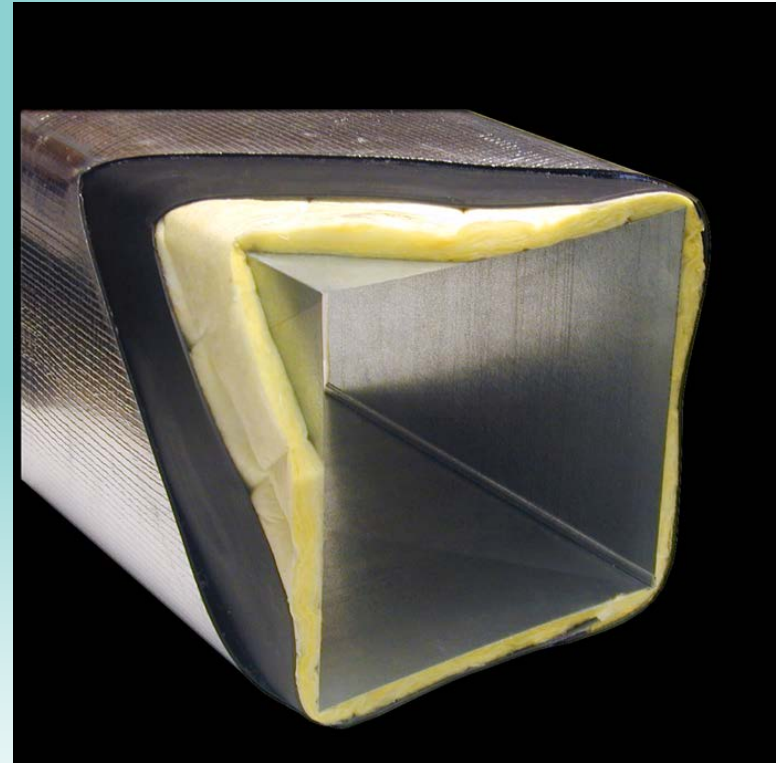
Result:

Noise levels reduced and neighbors were satisfied with the results



Wrap Barrier

- ✓ **Multi faceted Composite material**
 - ✓ Reinforced Foil facing
 - ✓ Loaded vinyl barrier
 - ✓ quilted fiberglass absorber/decoupler
- ✓ **Spec'd on**
 - ✓ HVAC projects
 - ✓ Waste water treatment plants
 - ✓ Gas transmission lines
- ✓ **Easy installation**
 - ✓ One step installation



Western Mass Electric Company

Problem:

Fluid moving through the pipes at the electric company increased the overall noise in the plant

Solution:

Wrap the pipes with ANC-WB21
Wrap barrier to prevent break out noise

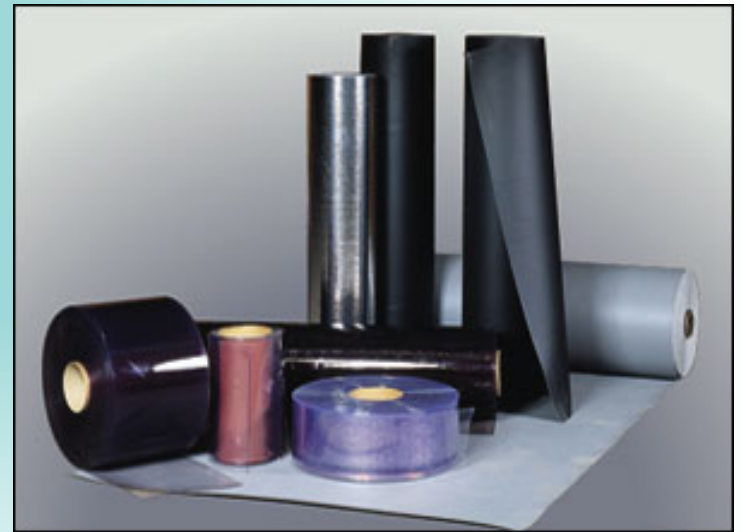
Result:

Overall Noise reduced by
15 dB



Noise Barrier

- Non-reinforced Barriers
- Reinforced Barriers
- Clear View Barriers
- Specialty Barriers
- 1/2 Lb psf to 2 Lb psf
- STC up to 31



“Soundproofing” a House

- **Use Vinyl Barrier Acoustic material and fiberglass between the walls**
- **Works particularly well in human voice range**



Common residential noise issues: TV, Air Conditioners, Traffic, Neighbors voices





Why it is better than sheetrock

- **Why use Loaded Vinyl Barrier instead of another layer of sheetrock?**
 - **Surpasses sheetrock in human speech ranges**
 - **Dissimilar materials are better than homogeneous materials in composites**

