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
Problem:
Loud manufacturing facility requiring hearing protection for all employees

Solution:
Hang Sound Absorptive baffles from the ceiling

Result:
Hearing protection no longer required
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
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
Problem:
Noise levels of 94 dB(A) caused by equipment on a mezzanine. The noise had to be reduced \textit{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
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 breakout 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