

INDUSTRIAL NOISE CONTROL GRADE APPLICATIONS

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INDUSTRIAL GRADE NOISE CONTROL PRODUCTS

Flexible solutions for:

- Construction Noise
 - Mechanical Rooms
 - Media Rooms
 - Hotels
 - Hospitals
- & much more...



ABSORBER

Sound absorbers reduce the ambient noise levels in a room, by reducing the "echo" effect.

For use in:

- Factories
- Enclosed Swimming areas
- Manufacturing plants / Warehouses



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FACTORY

Problem: Loud manufacturing facility requiring hearing protection for all employees

Solutions: 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

Solutions: Suspend Waterproof 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

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

Result: Announcements easily understood by employees



COMPOSITE

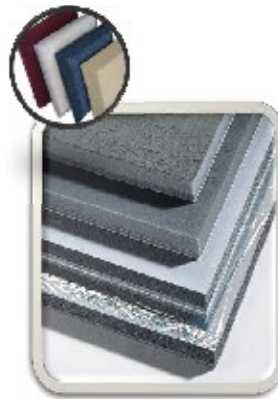
Composite Panels stop the transmission of noise from one area to another. For use

Indoor applications

In manufacturing plants
To enclose Compressors

Outdoor Applications

On Construction areas
To quiet Noisy machinery



INDOOR NOISE PROBLEMS

AB12 Barrier Composite

A non-reinforced loaded vinyl noise barrier sandwiched between two layers of Quilted fiberglass. Use for sound absorption on both side 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-,



NOISE CONTROL WALL SEPARATES MANUFACTURING PLANT

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

Solutions: 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

Solutions: 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

Solutions: 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

Solutions: 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

Solutions: 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

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

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

Result: Construction noise was quieted & construction allowed to continue



BLOWERS ON DUST COLLECTION SYSTEMS

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

Solutions: 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 result



WARP BARRIER

Multi-faceted Composite material

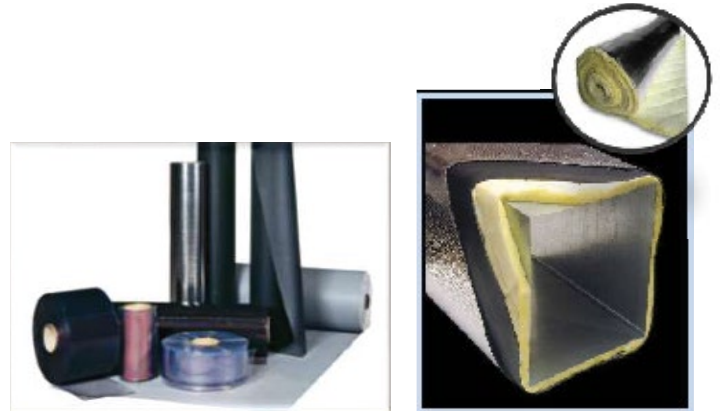
- Reinforced Foil facing
- Loaded vinyl barrier
- Quilted fiberglass absorber/decoupler

Spec'd on

- HVAC projects
- Waste water treatment plants
- Gas transmission lines

Easy installation

- one step installation

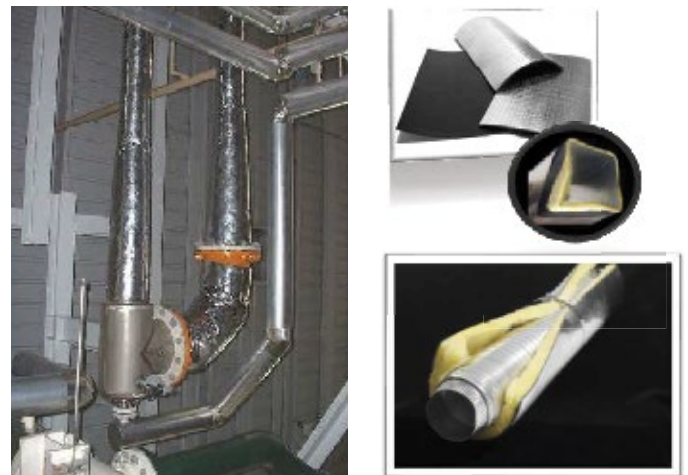


WESTERN MASS ELECTRIC COMPANY

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

Solutions: Warp the pipes with ANC-WB21 Warp Barrier to prevent break out noise

Result: Overall Noise reduced by 15 dB



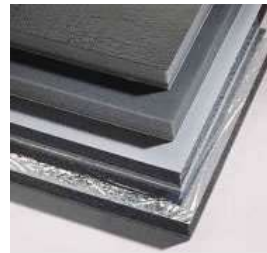
NOISE BARRIER

- 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

