

# Productions Studios

## Productions Studios - Broadcast & Recording Soundproofing Solutions



### Productions Studios Acoustics

Recording Studios in a commercial or home recording studio, a broadcast studio, or a production room in a church, requires low noise from the mechanical equipment, solated room from outside noise and good space acoustic control.

Engineering standards for Production Soundproofing is Noise Criterion Curves (NC), Preferred Noise Criterion (PNC) that provide acceptable noise levels in different types of rooms depending on usage. Production Rooms should fall between NC 15- 20, or an equivalent dB(A) weighted level between 26 and 30 dB(A).

The original typical application for sound control is in audio or music recording studios where sound isolation is required between multiple adjoining rooms. Not only is the sound quality important inside the rooms, but sound blocking from adjoining rooms and mechanical noises is critical.

All Noise Control can help choose the right materials for the audio recording rooms, vocal booths, editing rooms and other such rooms that are found in broadcasting, recording studio and other media rooms. Our noise control products can be installed during construction of a new studio or during remodeling or for retrofitting an existing studio with products that can “float” on walls and/or ceiling to help make the ideal sound control solution attainable. Through a full range of sound absorption products we can solve all your sound control needs.

Acoustical Materials to reduce noise:

- Vinyl Sound Barrier
- Hanging baffles and banners
- Wall panels
- Acoustical wall fabrics
- Ceiling tiles

# Acoustical Ceiling Panels

## Acoustical Ceiling Panels ANC-4000: Standard Ceiling Panel

Acoustical Ceiling Panels ANC-4000 is our standard absorber panel that is perfect for most applications with the exception of use in high abuse areas. Acoustical Ceiling Panels ANC-4000 panel is available in 1" and 2" thickness with sizes up to a maximum of 4' x 10'.

## Acoustical Ceiling Panels ANC-3000 Acoustic Ceiling Panel Details:

Ceiling Panel Substrate: 6-7# PCF rigid fiberglass core with optional chemically hardened edges.

Ceiling Panel Mounting: WZ clips.

Acoustical Ceiling Panel Finishes:

Guilford of Maine FR 701 Style 2100 is standard

Designer and customer specified fabrics are available

## Acoustical Ceiling Panel NRC Ratings

1" : .80 - .90

2" : 1.05 - 1.15

Acoustical Ceiling Panel Edge Details: Square, Bevel, Radius, Miter

# Ceiling Baffles

Why Choose Ceiling Baffles? Besides our acoustical noise control experts and their courteous assistance... Our ceiling baffles are lightweight ceiling baffles and banners you can create unlimited architectural effects that improve sound quality as well as the spaces aesthetics resulting in an ideal acoustical environment.

Ceiling Panels are designed to acoustically treat and soundproof interior wall and ceiling spaces including; schools, music rooms, universities, churches, offices and any space that has reverberation problems.

## Ceiling Baffles & Banner Models Available:

ANC - 600 Premium Ceiling Baffles

ANC - 600P Standard Ceiling Baffles

ANC - 700 Ceiling Baffles

ANC - 800 Standard Ceiling Baffles

## Physical Properties

Dimensions: 24" x 48"

Thickness: 1.5"

Weight: 4 pounds

Fire Rating: ASTM E 84 Class A rated

Edge Construction: Heat sealed seams

Core: 2 pound fiberglass

Surface Finish: PVC vinyl covering

Density: 2 pounds per cubic foot

# Soundproofing Wall Panels

Acoustical Wall panels are sound absorbing panels that can mount directly to walls or ceilings through a variety of adhesives, impaling clips, hook & loop fasteners etc. They are designed to stop noise control issues with their powerful sound absorbing acoustical materials. They are frequently used in offices as they not only prevent noise pollution but increase speech intelligibility by reducing reverberation and echoes

- Improving sound and clarity for movies, sports, video games and a home theater
- Reduces echo and reverberation in large halls, gymnasiums, classrooms, auditoriums, and churches
- Reduces noise in crowded spaces, restaurants and bars
- Provides perfect conditions in recording studios and control rooms

## What is Soundproofing?

Soundproofing prevents sound from traveling. Soundproofing products block sound from leaving or entering a room and typically located inside walls.

## What is Sound Absorption?

Sound absorption is the process by which sound waves are being blocked by a soft surfaces. Sound absorption products are intended to absorb unwanted noise, like echo, within a space. Sound absorption material is often called soundproofing.

## Why Choose ANC Sound Absorbing Acoustical Wall Panels?

- Our sound absorbing wall panels are Class A FIRE RATED per ASTM E-84
- Light weight easy to install on walls or ceiling applications
- Available in 1" and 2" thickness
- Sizes from 2' X 2' to 4' X 10' and custom sizes all available
- Hardened Wrapped Edge

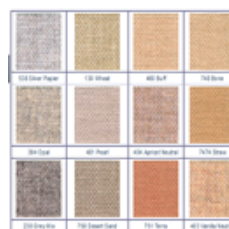
## Acoustical Wall Panel Models Available:

- Acoustical Standard Wall Panels ANC-3000
- High Impact Acoustical Wall Panels ANC-3100
- Stop Noise Wall Panels ANC-3500
- Partition Kits for ANC-3000 Wall Panels
- Custom Printed Acoustical Wall Panels

Fabric Color ChartAcoustic Fabric Chart



Guilford Acoustic FabricAcoustic Color Fabric



# Ceiling Clouds

Ceiling Clouds are perfect for the reduction of sound in ceiling areas. They are suspended horizontally with D-Rings (for panels up to 4' x 4') or T-grid attachment for larger panels.

Ceiling Clouds are constructed with a 6-7# PCF rigid fiberglass absorber core. The edges are available in natural or chemically hardened and are available in 4 edge profiles.

## Suspended Acoustic Solutions

Sound Absorption Ceiling clouds are a very effective treatment for the reduction of sound in ceiling areas. All Noise Control Sound Absorption Ceiling clouds are suspended horizontally, with our eye hook or t-grid attachment mounted to the cloud at the time of shipment.

Sizes: Standard up to 4' x 10' (custom sizes & shapes available)

Face & edges are wrapped in fabric or perforated vinyl to match or accentuate the room design.

Acoustic Applications - Auditoriums, Industrial Acoustics and more

## Sound Absorption Ceiling Cloud Details:

### Wall Panel Substrate

6-7# PCF rigid fiberglass core with optional chemically hardened edges.

### Sound Absorption Ceiling Cloud Mounting:

Eye hooks

T-grid

## Acoustical Ceiling Cloud NRC Ratings

1/2"	.50-.60
1"	.80-.90
1 1/2"	.90-1.00
2"	1.05-1.15

## Sound Absorption Ceiling Cloud Edge Details

Square, Bevel, Radius, Miter





# Mass Loaded Vinyl Barrier, MLV

**What is MLV?**

Mass Loaded Vinyl (MLV) is a safe, non-toxic noise barrier designed to hang as a limp mass in a variety of soundproofing applications.

**What is a soundproofing barrier?**

Noise barrier or sound barrier products add mass to a wall, ceiling, floor, or enclosure serving as a highly effective soundproofing solution - at an affordable price. Soundproofing barriers are typically installed directly on the studs or joists to reduce noise transmission between the source of the sound and the destination.

**What is STC?**

Sound Transmission Class (STC) is a rating assigned to a material or an assembly of materials representing the transmission loss or reduction in sound between the source and the target. A standardized test, performed in an acoustics lab, measures the transmission loss between a Sound Source and a room. Measurements are taken over a range of 6 different frequencies ranging between 125Hz and 4000Hz. This frequency band covers the speech range.

**Vinyl Sound Barrier** - This high density thin, weighted Soundproofing barrier, constructed of non reinforced high temperature fused vinyl with no lead filters. Weighs one pound per square foot and is 1/8" thick. Apply to block transmission of sound through walls, floors, and ceilings. Also effective as a pipe and duct wrap to damper vibrations and reduce noise. Also available in a reinforced version designed to sustain it's own vertical weight for suspension.

**Clear Vinyl Barrier Flexible Reinforced Material**

ANC's Industrial ANC-VB60R flexible noise barrier is a 1 lb psf reinforced loaded vinyl barrier used to stop the transmission of noise from one area to another. Typically used as Barrier panels in an acoustical enclosure, or as the barrier component in Industrial composite products. Curtain panels are typically constructed with grommets across the top and mating hook and loop closures on the vertical edges. Standard rolls measure 54" wide x 30' long or 54" wide x 60' long.

**Mass Loaded Vinyl Barrier, MLV**

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**Ceiling Tile Barrier**

**Ceiling Barrier Tiles with Soundproofing Vinyl Sound Barrier:** We carry a ceiling tile barrier tile with 1" fiberglass & 1 pound scrim faced Vinyl Sound Barrier material. Call our specialist for details or view a usage diagram [here](#).

**Mass Loaded Soundproofing Vinyl Barrier Material Test Specs**

**Sound Transmittion Loss Specs - Mass Loaded Vinyl Barrier Material**



# Production Studio Case Studies

Affordably Provide Noise Control to a Contractor Hired to Help a Busy Television Studio

Client: Chiarmonte Construction Company on behalf of McK inley TV Studio, Washington, DC

## INTRODUCTION

Brian Dantro from Chiarmonte Construction Company called All Noise Control after hearing about our services word-of-

-mouth to see how we could help them provide their client McKinley TV Studio with a workable solution to the noise absorption issues they were having in their TV Studio.

## SOLUTION

After a detailed discussion to determine the exact nature of the problem, one of the many noise control engineers on staff at All Noise Control provided them with a custom solution to their problem: improving sound absorption in the studio via ANC-1002 2" thick 2' x 2' pyramid foam

