

Noise Control in Restaurants

Restaurant Design Noise Control & Soundproofing Solutions



Noise Pollution in Restaurants

Proper restaurant design and layout should take into consideration what the room will sound like. Acoustical materials are used in restaurant interior design to create a quieter environment for a better dining experience.

Acoustical wall panels or ceiling tiles can be used in restaurant interior design to create a more pleasurable and comfortable atmosphere or ambience. These acoustical treatments are not only effective, but aesthetically pleasing.

Materials used in restaurant layouts include:

Soundproofing and Isolation products materials

Vinyl Sound Barrier

Hanging baffles and banners

Acoustical foams

Wall panels

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

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

Soundproofing Restaurant Case Study:

Froggtown Inn & Acres Restaurant has retrofitted our clouds to their existing dining room to create a quieter and more private conversation environment by using All Noise Control clouds. Pictures courtesy of Froggtown Inn & Restaurant.

Steven Warren from Froggtown Inn & Acres Restaurant contacted All Noise Control with a typical restaurant noise issue. A quiet, quaint and relaxing environment was disrupted by travelling conversations and the going ons that happen in the general hustle of any restaurant. Dishes clanking, conversations carrying, doors opening and closing, kitchen noise, all lending to a interrupted dining experience.

esthetics being very important, All Noise Control had custom configured ceiling clouds for Froggtown Inn. After they put them in place it added a comfortable design and texture to the space and did an amazing job at absorbing the noise bouncing throughout the space.

Acoustic Ceiling Clouds are much like the name implies, absorbent materials suspended from ceiling. They can be affixed to any existing ceiling or slope and can be custom cut and sized to fit architecturally in your space. They work by absorbing the soundwaves (which are in the form of heat) and each time one of these waves reflects off the cloud, the soft open celled nature of the cloth absorbs it. To be exact it's energy is depleted. Placing them strategically through a restaurant can have an astounding effect on dining noise like it did for Froggtown Inn & Acres Restaurant.