

SCHOOLS CASE STUDIES

University of Michigan restores harmony in band room with ANC Foam....

Educational facilities always have acoustic problems to solve. Whether it's multi-purpose rooms, gymnasiums or sports centers, theaters, auditoriums or music and band rooms, there's a lot of noise in the educational industry. University of Michigan needed to find harmony in their frequently used band room. With the array of instruments, variety of noise levels and active students, the sound in their band room has serious reverberation problems. Another major contributing factor in these types of rooms are the construction materials, most often exposed concrete which offers a disadvantage by promoting reverberation, echo and distortion of sound.

Mr Wilson of the University of Michigan contacted All Noise Control with the problems they were experiencing in their band room. It was a classic acoustic solution to provide foam to both balance and absorb the sound in the room. We provided the University with the newest pyramid foam in 2' x 2' sheets offering a simple and budget conscious acoustical solution. Harmony was restored in the U. Michigan band room with little impact on often strict educational budgets. The foam panels were also simple to install and handled by the internal maintenance staff quickly and easily.

Institutions / Gymnasiums & Multi-Purpose Rooms - In the heart of Texas, Milan middle school had a noise reverberation problem typical to institution spaces such as gyms, cafeterias, auditorium and general purpose rooms. We all associate the echoes, noise and reverberation of sound with gyms, pool areas & large auditorium / multipurpose rooms and certainly can relate to the high noise levels in these types of rooms. In this middle school gymnasium (a problem in virtual all gymnasiums), the sound bounces off the walls more than the basketballs. Due to the volume and space in these rooms and lack of noise absorbents, the noise grows and creates echoes and reverberation seriously impeding speech intelligibility. When the gym was in use, the conversation next to you was indistinguishable from the conversation across the floor. During sporting events, the noise became unbearable with the gym full of fans, parents and students. The noise levels at sporting events is already an unhealthy exposure to high decibels especially with no acoustic noise control absorbents in place

The school reached out to All Noise Control to help them solve their problem. One of All Noise Control's core markets are Institutions be it middle school, college or other. As typical, All Noise Control suggests their Ceiling Baffle products to help these types of institution noise problems due to their cost effectiveness and noise reduction qualities. Ceiling baffles are a great source of noise reduction in these types of applications benefiting a NRC rating of 1.25. A series of 2' x 4' x 1.5" thick ANC-600 acoustical ceiling baffles in between the ceiling trusses was suggested to Milan Middle School. The ANC-600 baffles are constructed of a high density fiberglass core to absorb maximum sound. In addition they have great fire ratings and fire retardant properties. By installing these baffles high in the ceiling, institutions like this Middle School benefit by avoiding most if not all contact between the acoustical baffles and mobile gym equipment such as basketballs, volleyballs, etc.

Once the ANC-600 ceiling baffles were installed the noise quieted down, speech became coherent and their problem was solved. Using the gym for future events was not only healthier for the ears of students and visitors alike, but it also made the use of the gymnasium much more enjoyable.