

SoftWall noise control solutions

Whether it is strategically placed baffles and wall blankets to control ambient noise, or a SoftWall enclosure system, Soper's has a practical, efficient, cost-effective noise control solution.

Industrial noise – not just an occupational health and safety issue

Even before noise – defined as unwanted sound – becomes a health and safety issue, it can have a costly impact on productivity and efficiency.

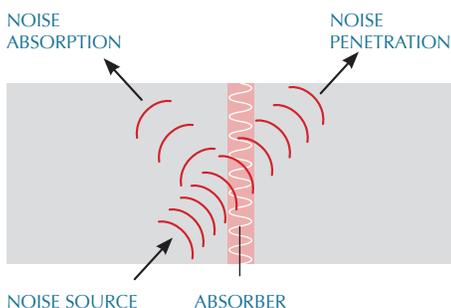
Noise can be constant, pulsating or intermittent. And it can travel in unpredictable patterns.

Surprisingly, without a proper design, attempts to simply block noise can actually make the problem worse. "Block and Absorb" is the answer and the SoftWall specialists at Soper's can help you simplify a complex problem and identify a cost-effective, step-by-step solution to your noise control challenges.

Frequencies and their impact...

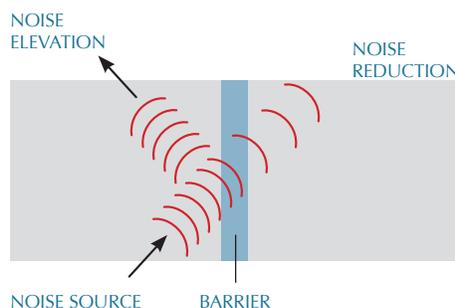
Noise is not just soft or loud; it travels a frequency map from high pitch electronic-type noises to the low frequency "whump" of a punch-press that can produce additional structure-borne sound that actually travels through floors, steel columns and beams. It is sometimes necessary to stage a multi-faceted solution that combines a wide range of specialty expertise, from equipment isolation to custom enclosures.

When it is a complex problem, calling in additional associate experts like acoustic engineers and specialty equipment installers is often advisable.



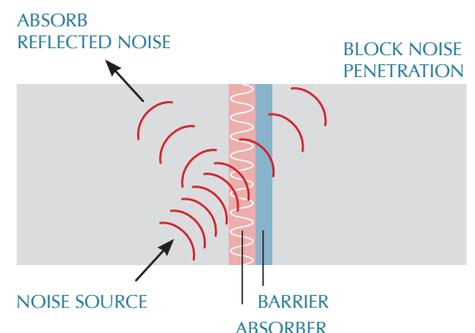
Acoustic Absorbers

Soft, porous, open-celled absorbers lower the amplification of noise by reducing the amount of sound that is reflected back from other surfaces in an enclosed space.



Acoustic Barriers

Heavy, dense, limp barriers block the transmission of noise from getting to other quieter areas by reflecting it back toward the already noisy area.



Composite Absorbers and Barriers

Combining an absorber with a barrier has a double impact on noise. It efficiently blocks the transmission of the unwanted sound from getting to a quieter area and in addition reduces the amplification of sound on the already noisy side.

The Soper's solution

Whether it is ambient noise (the accumulation of all the sound in a production area), or containing the noise coming from a specific sound source...

Keep it simple · Keep it practical · Keep it efficient

Suspended Partitions, Framed Enclosures, and Noise Barriers are custom designed to control noise from specific sources.

Surface and Area Treatments are often incremental installations using wall blankets, ceiling baffles and suspended noise absorbing hoods to address ambient noise.

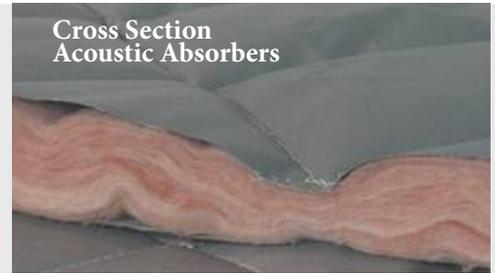
Immediate and measurable results

The Soper's solution is a complete solution. We not only solve the noise problem, we also incorporate our extensive SoftWall enclosure experience to enhance productivity and ensure there is no impact on process flow.

Soper's encourages the client to actively participate throughout the design process. The goal is to ensure Soper's noise control solutions exceed expectations in terms of flexibility, durability and integrity.

The final tests:

- Seamless interface with existing operations
- Delivery and installation with little or no down time



1 Sealed enclosures to contain compressors, pumps, etc. Target reduction 20+ dB

2 Large enclosures to segregate entire areas. Target reduction 10-15 dB

3 Overall ambient noise reduction within the entire facility. Target reduction 6-12 dB

4 Smaller work station enclosures. Target reduction 10-15 dB

5 Outdoor environmental noise pollution enclosures. Target reduction 10-20 dB

