



Buyer's Guide

INDUSTRIAL ACOUSTIC CURTAIN

Your Complete Guide to Industrial Sound Control Solutions



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NOT ALL ACOUSTIC CURTAINS PERFORM THE SAME

This guide explains the performance factors behind your acoustic curtain system and how different AmCraft curtain constructions impact noise control results.

What Impacts Acoustic Curtain Performance?



Mass & Barrier Density

Heavier, engineered barriers block more sound, especially low-frequency industrial noise.



Frequency Targeting

Industrial environments often generate low-frequency noise, which requires higher mass and specific construction methods to control effectively.



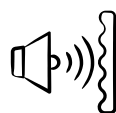
Layered Construction

Single-layer materials perform differently than multi-layer composite systems designed to both block and absorb.



Sealing & Installation

If your goal is to enclose or separate noise, performance depends on how the curtain interfaces with floors, ceilings, and adjacent panels. Even small gaps can significantly reduce effectiveness.



Absorptive Frontside

The soft front layer serves as the first point of contact for sound waves and is essential in maximizing absorption while reducing echo & reverberation.

Acoustic performance is the result of engineered construction, not just material thickness.

Hear the AmCraft Difference

Every acoustic environment is unique. The right solution depends on the type of noise, how it travels through a space, and the level of control required. This chart compares the key performance characteristics of AmCraft acoustic curtain solutions to help you identify the option that best fits your facility.

| Feature | Single Barrier | Double Barrier | Dual Absorption | Sound Absorbing |
|-------------------------------|---|--|--------------------------------------|--|
| Max Height | 25' | 20' | 18' | 30' |
| Retractability | Retractable Stationary | Retractable Stationary | Retractable Stationary | Retractable Stationary |
| Average STC | 31 | 39 | 37 | 21 |
| Average NRC | .85 | .89 | 1.02 | 1.05 |
| Noise Control Method | Blocking Sound Absorbing | Blocking Sound Absorbing | Blocking Sound Absorbing | Sound Absorbing |
| Noise Source Direction | Front Side | Front Side | Both Sides | Both Sides |
| Typical Applications | Industrial Noise Control Applications | High-Noise Industrial Environments | Interior Acoustic Environments | Industrial & Public Environments |

Performance characteristics may vary depending on installation & application.



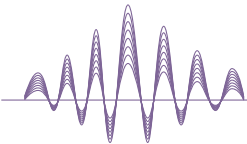
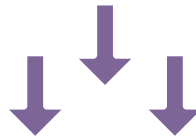
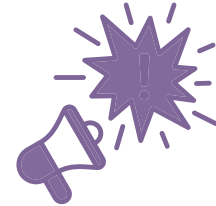
Understanding Acoustic Performance

Before selecting an acoustic solution, it helps to understand a few key terms used to measure sound and noise control performance.

Understanding these measurements helps ensure the right acoustic curtain solution is selected for your facility.

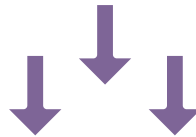
Decibels (dB)

Measures the intensity or loudness of sound.



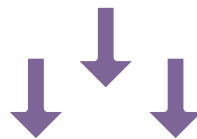
Frequency (Hz)

Measures the pitch of a sound, from low (rumbling) to high (sharp).



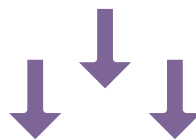
Sound Transmission Class (STC)

Measures how effectively a barrier blocks sound.



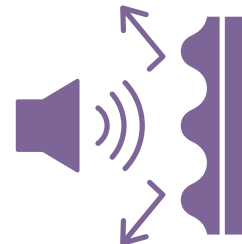
Noise Reduction Coefficient (NRC)

Measures how effectively a material absorbs sound.



Reverberation

Occurs when sound reflects and lingers within a space.



Why Choose AmCraft

Not all acoustic solutions are engineered the same. At AmCraft, performance, durability, and customization come standard.

Custom Engineered Solutions

Every facility is different. Our acoustic curtain systems are designed to meet the specific needs of your space, equipment, and performance goals.

AmCrafted in the USA

All AmCraft products are proudly manufactured in the USA, ensuring consistent quality, reliability, and faster turnaround times.

Proven Acoustic Performance

Our curtain systems are built using high-quality materials designed to absorb, block, or control sound based on your application.


Retractable & Bi-Folding Systems

Unlike many fixed alternatives, AmCraft offers bi-folding acoustic curtain systems that provide flexibility without sacrificing performance. When retracted, the system compresses into a compact stack, saving valuable space.

From color options to doorway integration & airtight sealing solutions, AmCraft offers the most customizable system on the market.

Expert Support from Start to Finish

From initial assessment to final installation, our team works with you to ensure the right solution is selected and implemented.

 **Important to Consider**
Designed for your space. Built for performance. Backed by experience.



Start Your Acoustic Solution

Taking the next step is simple. Start with the insights in this guide, then use our tools and team to move your acoustic solution forward.

Step 1 - Use This guide as Your Foundation

Use this Buyer's Guide to understand acoustic performance, solution types, and key considerations for your facility.

Step 2 - Evaluate Your Space

Use our Acoustic Site Assessment Guide to document your layout, noise sources, and project requirements.



 Available Upon Request

Step 3 - Connect with Our Team

Work with our expert team to develop a custom acoustic curtain solution tailored to your space.

Now that you understand the key elements of acoustic performance and noise control, the next step is putting that knowledge into action. Our Acoustic Site Assessment Guide helps you evaluate your space and identify the right solution for your facility.

From understanding to implementation, we're here to help every step of the way. Contact AmCraft today to get started on a custom acoustic solution built to last!