

Acoustic Curtain Site Assessment Guide



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Acoustic Curtain Systems

Acoustic curtain systems are typically configured in one or a combination of the following ways, depending on the space, noise source, and performance goals.

A. Acoustic Enclosures



Purpose: Isolate a noise source and control sound within a defined area.

Acoustic Enclosures are used to:

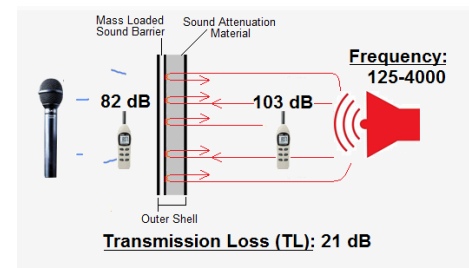
- Contain noise generated by equipment or processes, preventing disruption to surrounding operations
- Reduce echo and reverberation within an enclosed space for improved acoustic performance

B. Acoustic Dividers

Purpose: Separate spaces and limit sound transfer.

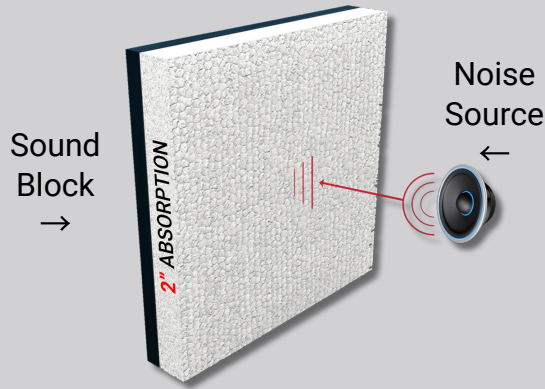
Acoustic Dividers are used to:

- Block noise transmission between adjacent areas
- Absorb sound on one or both sides of the divider, depending on application needs



SINGLE BARRIER ACOUSTIC CURTAIN

Designed for moderate noise reduction in single-sided noise applications.



Performance Snapshot:

NRC: 0.85

STC: 31

**Performance values shown are representative and may vary based on installation configuration, space conditions, and sealing requirements.*

Best suited for:

- Higher-frequency noise sources with moderate decibels
- Flexible space separation where movement is required
- Applications needing sound blocking without maximum attenuation

DOUBLE BARRIER ACOUSTIC CURTAIN

Designed for maximum noise reduction in single-sided applications.



Performance Snapshot:

NRC: 0.89

STC: 39

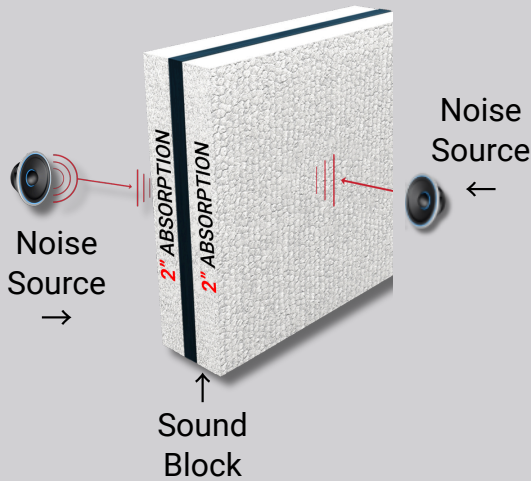
**Performance values shown are representative and may vary based on installation configuration, space conditions, and sealing requirements.*

Best suited for:

- High-noise equipment and industrial processes
- Lower-frequency noise sources and higher decibel levels
- Environments with stricter noise control or compliance requirements

DUAL ABSORPTION ACOUSTIC CURTAIN

Absorptive curtain designed to block sound and reduce echo on both sides



Performance Snapshot:

NRC: 1.02

STC: 37

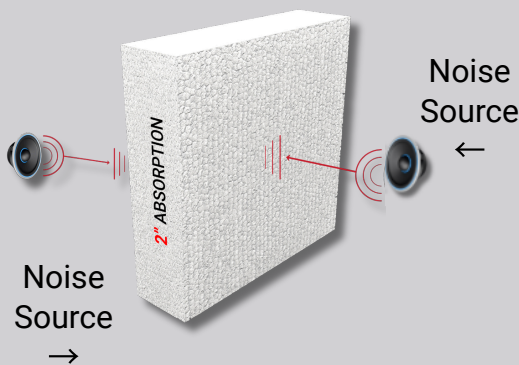
**Performance values shown are representative and may vary based on installation configuration, space conditions, and sealing requirements.*

Best suited for:

- Spaces needing sound blocking and absorption on both sides
- Applications where echo and reflected noise are concerns
- Environments needing to create two adjacent spaces on either side of the curtain

SOUND ABSORBING ACOUSTIC CURTAIN

Thick absorptive curtain designed to dampen sound from all directions



Performance Snapshot:

NRC: 1.05

STC: 21

**Performance values shown are representative and may vary based on installation configuration, space conditions, and sealing requirements.*

Best suited for:

- Open or highly effective spaces
- Areas with accumulating or collective noise
- Environments where overall sound quality needs improvement

Project Assessment Overview

Curtain Function & Movement

Defines how the curtain will operate within your space and helps determine curtain design, hardware, and installation approach.

- **Curtain type:** Retractable Stationary

Retractable: Curtain slides & accordion folds along a track system to open or close the space as needed.

Stationary: Curtain remains fixed in place without movement.

- **Curtain Layout:**



- **Number of curtains required:** _____

Dimensions & Coverage

For each curtain section, record:


Height: _____ ft _____ in

Width: _____ ft _____ in

Access & Openings

Identifies required pass-throughs and functional access within the curtain system.

Access openings and doorways are customized based on the specific needs of each installation. Please contact AmCraft so our team can help determine the most effective configuration.

 Talk to an
Expert

System Features & Performance Options

Identifies additional components that impact sealing, usability, and acoustic performance.

Sealing & Containment

- Edge Sealing
- Floor Sweep
- Filler Panel

Curtain Performance Insight

System features such as edge sealing, floor sweeps, and filler panels can improve containment and reduce sound transfer. Selecting the appropriate features helps maximize curtain performance.

Functional Enhancements

- Tiebacks
- Straps & Floor-Mounted D-Rings

Visibility

- Windows ***Note:** May slightly affect acoustic performance

Track Configuration

Specifies mounting method and structural support for the curtain system.

Mounting Location

- Ceiling
- Wall
- Beam | Structural Steel
- Suspended | Threaded Rod

Track Layout

- Straight
- 2-Sided
- 3-Sided
- 4-Sided
- Custom Layout



Overhead Conditions

- Sprinkler System Present
- Lighting Interference
- HVAC Obstruction
- Limited Clearance

Available overhead clearance: _____

Note: Track should be installed below the lowest obstruction.

Acoustic performance is influenced by curtain configuration, sealing, & installation conditions.

Noise Source & Performance Goals

Clarifies the type, intensity, and desired outcome of noise control.

Primary Noise Source

(e.g., CNC machinery, compressor, HVAC unit, production line, music, etc.)

Noise Characteristics

- Continuous
- Intermittent
- Impact | Impulse
- High-frequency dominant
- Low-frequency dominant

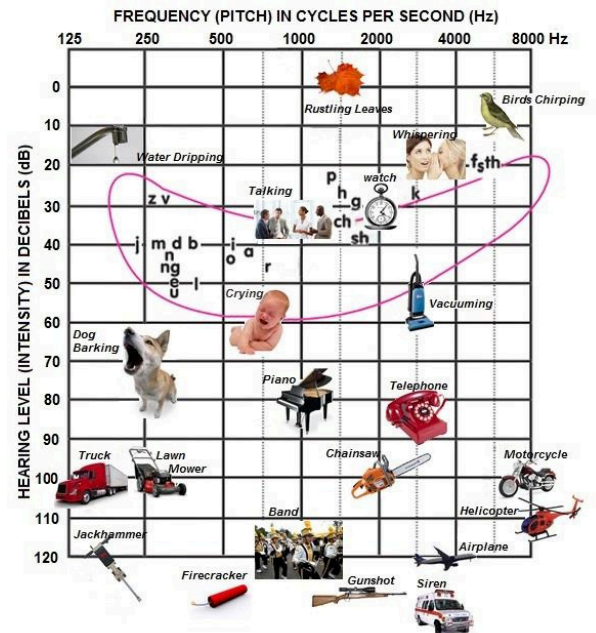
Known Sound Level (dB), if available (If unknown, leave blank)

Primary Objective

- Reduce sound transmission to adjacent area
- Reduce echo | reverberation within space
- Improve overall sound clarity
- Meet specific noise compliance requirement

Adjacent Area Type

- Office Space
- Production floor
- Outdoor area
- Shared workspace
- Other: _____



Material & Appearance

Identifies material selections and visual preferences.

Curtain Construction

- Single Barrier
- Double Barrier
- Dual Absorption
- Sound Absorbing

All acoustic curtains are
ASTM E84, CSFM, & NFPA-
701 compliant

Material and Color Options

*Choose **One** Material Option*



14 oz. PVC Coated Polyester



Acoustic Fabric

*Please request from
your sales associate.*



PVC Coated Mesh



Additional Project Details

Documents unique conditions, constraints, or special requirements.

Provide any additional information that may impact curtain design, material selection, or installation.

Application Description



Special Considerations or Requests

Final specifications will be confirmed during proposal review.