

# ANC-AB110-EXT-N-2" Exterior Grade Sound Curtains

## Part 1-GENERAL

### 1.1 Summary

A. This section includes the following:

1. Exterior Grade Sound Curtains for outdoor applications such as construction sites

### 1.2 Related Sections

### 1.3 References

### 1.4 Submittals

- A. Shop drawings: show fabrication and installation details for acoustical panels, including grommet location.
- B. Samples: Furnish 18" x 21" samples for quality and general panel construction.
- C. Technical data sheets reflecting construction, panel thickness, weight, and Acoustical data.

### 1.5 Delivery, storage, and handling

- A. Deliver in unopened skids and store in a dry place with adequate air circulation. Store materials will they will be free from accidental damage.

## Part 2-PRODUCTS

### 2.1 Sound Curtains, General

- A. Sound Curtains shall consist of a nominally 2" thick quilted fiberglass sound absorber bonded to a 1 lb psf non-reinforced loaded vinyl noise barrier

#### 1. Products

- i. Model # ANC-AB-EXT-N-2"
  - ii. Flexible non-reinforced loaded vinyl barrier material:
    1. Shall weigh a minimum of one pound per square foot
  - iii. Sound Absorber: Exterior grade facing material:
    1. Shall be a heavy duty 8 oz/sq. yd. PVC polyester fabric facing
    2. Shall be mechanically attached to the fiberglass by a quilting process
2. Sound Curtain Noise Reduction Coefficient of .85
  3. Sound Curtain Sound Transmission Class: 33
  4. Standard Width: 54 inches
  5. Length: As indicated, up to 25 feet long.

#### 2.2 Construction

- A. The sound absorption layer shall have
  - a. Heavy duty edge binding on the top and bottom edges
  - b. Have the exterior grade facing wrapped onto the back of the panel and stitched in place on the vertical edges.
- B. Sound Curtains shall be supplied in sizes indicated. Manufacturers standard panel construction shall have all edges bound, #4 spur grommets across the top & bottom, and exterior grade mating hook and loop fastener on both vertical edges.
  - a. On panels over 10' long an additional row of double grommets may be installed across the middle of the panel

## 2.3 Mounting

1. An appropriate mechanical fastener is to be installed through each grommet in the Sound Curtain securing it to the support structure.
2. Install the panels so that adjacent panels overlap each other by approximately 2" i. Join panels by pressing the mating hook and loop fasteners together

## 2.4 Acoustical Performance:

Sound Transmission Loss: Per ASTM E  
90 Octave Band Center Frequency (Hz)

125	250	500	1000	2000	4000	STC
13	20	29	40	50	55	33

Sound Absorption: Per ASTM C423  
Octave Band Center Frequency (Hz)

125	250	500	1000	2000	4000	STC
.07	.27	.69	1.13	1.08	.99	.85

## Part 3-EXECUTION

### 3.1 Installation

- A. Install sound curtain panels in locations indicated. Comply with manufacturers written instructions for installation by using type of mounting accessories indicated or, if not indicated, as recommended by the manufacturer.

### 3.2 Cleaning

- A. After completion of installation of panels or rolled goods, remove dust and other foreign material according to manufacturers written instructions.
- B. Remove surplus material, rubbish, and debris resulting from quilted fiberglass absorber installation, on completion of work, and leave areas of installation in a neat and clean condition.