

## 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"

All Noise Control

WPB, FL 33411

[www.allnoisecontrol.com](http://www.allnoisecontrol.com)

Ph: 561-964-9360

- 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)						
<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>STC</u>
13	20	29	40	50	55	33

Sound Absorption: Per ASTM C423

Octave Band Center Frequency (Hz)						
<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>NRC</u>
.07	.27	.96	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.