

Specification

Sound Absorbing Panels - Model: ANC-QFA-10

Part 1-GENERAL

1.1 Summary

- A. This section includes the following:
 - a. Quilted Fiberglass Sound Absorber as supplied by Sound where indicated on plans and drawings

1.2 Submittals

- A. Shop drawings: show fabrication and installation details for acoustical panels, including grommet location.
- B. Submittals: Furnish 8 ½"X11" samples, showing a standard color and quilt pattern.
- C. Product Test Report: From a qualified testing agency indicating materials comply with requirements.
- D. Product certificates: signed by manufacturer certifying that the products furnished comply with requirements.

1.3 Quality Assurance

- A. Manufacturer Qualification: Manufacturer shall have a minimum of 10 year's experience in production of specified products
- B. Fire test Report: Provide flammability test report from a qualified testing agency indicating the Sound Absorber/Noise Barrier Composite has the following surface-burning characteristics as per ASTM E-84.
 - Flame spread index: less than 18
 - Smoke Density index: less than 23
- C. Acoustical Test Report: provide acoustical test report from a qualified testing agency indicating quilted fiberglass absorber component has a NRC value of at least 0.85 per ASTM C423.

1.4 Delivery, Storage, and handling

- A. Protect Quilted Fiberglass Composites from excessive moisture when shipping, storing, and handling. Deliver in unopened skids and store in a dry place with adequate air circulation. Do not deliver material until all wet-work has been completed.

Part 2-PRODUCTS

2.1 Quilted Fiberglass Sound Absorbers, General

- A. Quilted Fiberglass Sound Absorbers shall consist of a nominally 2" thick fiberglass sound absorber quilted on both sides with a vinyl coated fiberglass cloth facing.
 - 1. Products
 - i. Model # ANC-QFA-10
All Noise Control
WPB, FL 33411
www.allnoisecontrol.com
Ph: 561-964-9360
 - 2. Quilted fiberglass absorbers:
 - i. Shall be nominally 2" thick
 - ii. Shall have a nominal density of 2.0-lb/cu.ft.
 - iii. Shall be quilted with a vinyl-coated-fiberglass cloth facing
 - 3. Thickness: nominal 2" thick
 - 4. Weight: Approx. .4 lbs. per sq. ft.
 - 5. Standard Width: 48 inches
 - 6. Length: As indicated, up to 25 feet long.
 - 7. Noise Reduction Coefficient: NRC .85

2.2 Construction

- A. The Quilted Fiberglass Sound Absorber shall be supplied in 48" wide panels or rolls with lengths indicated. Manufacturer's standard panel construction shall have all edges bound and #4 spur grommets across the top.

2.3 Mounting

- A. Manufacturers standard accessories for securely mounting the quilted fiberglass absorber panels, of type and size indicated and complying with the following requirements:
 - 1. Grommets shall be installed to facilitate mounting on either the short or long edge of the panel, as indicated on the drawing.
 - 2. Mechanical fasteners by others

2.4 Acoustical Performance:

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>
.19	.99	.96	.80	.57	.33	.85

2.5 Flammability Rating

- A. Material shall have a Class A flammability rating per ASTM E-84:

Part 3-EXECUTION

3.1 Installation

- A. Install Quilted Fiberglass Sound Absorber in locations indicated. Comply with manufacturer's written instructions for installation of panels or rolled goods.

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.