

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 years 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 23
Smoke Density index: less than 31

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 0.75 per ASTM C423.

1.4 DELIVERY, STORAGE, AND HANDLING

Protect Quilted Fiberglass Composites from excessive A 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, 2731 Vista Parkway
Suite # D-6 WPB,
Florida 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)

125	250	500	1000	2000	4000	NRC
.19	.99	.96	.80	.57	.33	.85

2.5 FLAMMABILITY RATING

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.