

Acoustical Wall Panel Specification for Standard Wall Panel(s)

SECTION 09840-ACOUSTICAL WALL PANELS

PART 1- GENERAL

1.1 SUMMARY

- A. This section includes the following:
 - 1. Acoustical Wall Panel

1.2 SUBMITTALS

- A. Shop Drawings: Show fabrication and installation details for acoustical wall panels, including plans, elevations, sections, details and attachment of other work.
- B. Submittals: Furnish 12"x12" samples, showing manufacture full range of colors, texture and patterns available for each type of acoustical product specified.
- C. Product Test Report: From a qualified testing agency indicating wall panels comply with requirements.
- D. Qualification Data: For firms specified in "Quality Assurance" Article to demonstrate their capabilities and experience.
- E. Product Certificates: Signed by manufacturer certifying that the products furnished comply with requirements.

1.3 QUALITY ASSURANCE

- A. Manufacturer Qualification: Manufacture shall have a minimum of 5 years experience in production of specified products and shall furnish supporting documentation showing completed jobs of approximately the same size and scope.
- B. Fire Test Reports: Provide acoustical wall panels with the following surface-burning characteristics as per ASTM E 84.
 - 1. Flame Spread: 25 or less
 - 2. Smoke Developed: 450 or less
- C. Acoustical Test Report: Provide acoustical test report from a qualified testing agency.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Protect Acoustical Wall Panels 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 WALL PANELS, GENERAL

- A. Acoustical Wall Panels shall be (5/8”-1”-1 1/2”-2” or custom)-6.0-7.0 lb. per cubic foot high-density fine fibered fiberglass. Manufactures standard panel construction, fully wrapped, hardened, panel manufactures standard full line of fabric.

- 1. Products

- a. Model # Soundbiance AWP
PNC West, Inc.
255 N. Pasadena St. Suite 1
Gilbert,
AZ. 85233
Ph. (480)-917-1999
Fax (480)-926-6755

- 2. Facing Material: Guilford of Maine FR 701 –Style 2100 -100% Polyester
- 3. Panel Thickness: (5/8”,1”,1 1/2”,2”) see above
- 4. Noise Reduction Coefficient: (.55-.80-.90-1.00)
- 5. Panel Width: As indicated, up to 60” width maximum
- 6. Panel Length: As indicated, up to 10 feet long

2.2 CONSTRUCTION

- A. The acoustical wall panel product shall be supplied in widths and lengths as indicated. All edges will be fully wrapped with mounting as indicated

2.3 MOUNTING

- A. Back-Mounting Accessories: Manufactures standard accessories for Securely mounting panels, of type and size indicated and complying with the following requirements:
 - 1. Mechanically Mounted Edge-Reinforced Panels: Metal impaling clips designed to support weight of panels, mechanically attached to wall substrate according to manufactures standard pattern and adhesively bonded to back of panel, with base support brackets where recommended by manufacture for additional support of panels.

2.4 FLAMMABILITY RATING

- A. All components shall have a Class A Flammability rating per ASTM E-84: Surface Burning Characteristics of Building Materials, with a Flame Spread of 25 or less and Smoke Developed of 450 or less.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. Install Acoustical Wall panels in locations indicated, top edges level and in alignment with other panels. Comply with manufactures written instructions for installation of panels using type of mounting accessories indicated or, if not indicated, as recommended by manufacture

3.2 CLEANING

- A. After completion of installation of panels, remove dust and other foreign material according to manufactures written instructions.
- B. Remove surplus material, rubbish, and debris resulting from panel installation, on completion of the work, and leave areas of installation in a neat and clean condition.