



SECTION 09522 – ACOUSTICAL WALL PANEL SYSTEMS

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SECTION 09522 – ACOUSTICAL WALL PANEL SYSTEMS

Part 1 – GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Acoustical Wall Panels as shown on the Drawings.

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's specifications, installation instructions, and general recommendations. Include data substantiating that the products furnished will comply with requirements of the contract documents.
- B. Shop Drawings: Submit complete shop drawings for fabrication and erection, including all plans, elevations and details of typical sections for each panel system type.
- C. Selection Samples: Submit 6" X 6" samples representative of panel construction for approval along with manufacturer's standard fabric facings unless fabric is specified otherwise or supplied by others.
- D. Maintenance Data: Provide manufacturer's instructions and suggestions for maintenance and cleaning.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Obtain required products from a single manufacturer.
 - 1. Accessories: Provide accessory items only as provide by or recommended by manufacturer.
- B. Installer Qualifications: Installer must be acceptable to or licensed by manufacturer of products being installed.
- C. Fire Hazard Characteristics: Provide products with components tested per ASTM E 84 and having the following characteristics:
 - 1. Flame spread: 25 or less.
 - 2. Smoke developed: 450 or less.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Protect fabric wrapped panels from soiling and excessive moisture during shipment, storage and handling.

1.05 PROJECT CONDITIONS

- A. Environmental Requirements: Do not begin installation until spaces are enclosed and temperature and relative humidity are at occupancy levels.

1.06 SEQUENCING AND SCHEDULING

- A. Do not begin installation of panels until all other finishes, especially painting, have been completed and properly cured.
- B. Field Measurements: Where panel sizes must be accommodated to fit walls, coordinate fabrication schedule with construction progress to avoid delays.

1.07 WARRANTY

- A. Materials will be warranted against manufacturing defects for a period of one year from date of installation.

PART 2 PRODUCTS

2.01 ACOUSTICAL WALL PANELS

- A. The design is based on Sound Delete[®] products as provided by Sound Management Group, LLC. or approved equal. Tel 800 221 0580.
 - 1. Panel Construction: Back mounted, edge reinforced acoustical panels with facing stretched over face of panel and adhered to edges and reverse side of a glass fiber core without sagging or distortion. Panels will be in sizes as indicated on the drawings and will be seamless as facing widths permit. Edges shall be reinforced by means of resin impregnation resulting in a crisp damage resistant edge.
 - a. Core Material: 6 lbs. Per cubic foot.
 - b. Thickness: Nominal 1" or 2" as indicated on the drawings
 - c. NRC rating: 0.80 for 1" thick, 1.00 for 2" per ASTM C-423-84.
 - d. Facing: will be manufacturers standard or as otherwise specified and acceptable to the manufacturer
 - e. Edge: will be square, radius or beveled as indicated on the drawings.
 - f. Fabric will be stretched over the face of the panel in such a manner as to provide inherent impact resistance – a trampoline effect.

PART 3

3.01 EXAMINATION

- A. Inspect substrates and conditions under which the work in this section will be performed and verify that the proper installation may commence. Do not proceed until unsatisfactory conditions have been resolved fully.

3.02 INSTALLATION

- A. General: Comply with manufacturer's instructions and requirements, except where more stringent requirements are shown or specified and/or where project conditions dictate that different procedures are required to provide a satisfactory installation.

B Tolerances: Install panels as indicated on drawings with no more than 1/8" plus or minus maximum.

3.03 ADJUSTING

A. Final Adjustments: Upon substantial completion adjust all panels to assure proper alignment. Replace all panels that are damaged.

3.04 CLEANING

A. Upon completion, clean all panels that may have become soiled using methods recommended by the manufacturer.

3.05 PROTECTION

A. General: While this work should be completed after other trades have completed their work, care must be taken to protect panels prior to occupancy of the space if required.