

SPECIFICATION FOR NOISEMASTER® SOUND CONTROL PRODUCTS

SECTION 09800

PART 1 PRODUCTS

Acoustical Wall Panels

1.1 SUBMITTALS

1. Shop Drawings: Show fabrication and installation details for acoustical wall panels, including plans, elevations, sections, details and attachments to other work.
2. Submittals: Furnish 6" x 6" samples, showing manufacturer full range of colors, texture and patterns available for each type of acoustical product specified.
3. Product Test Report: From a qualified testing agency indicating wall panels comply with requirements.
4. Qualification Data: for firms specified in "Quality Assurance" Article to demonstrate their capabilities and experience.
5. Product Certificates: Signed by manufacturer certifying that the products furnished comply with requirements.

1.2 QUALITY ASSURANCE

1. Manufacturer Qualification: Manufacturer 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.
2. 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
3. Acoustical Test Report: Provide acoustical test report from a qualifying agency indicating acoustical wall panels meets 0.85 NRC per ASTM

1.4 DELIVERY, STORAGE & HANDLING

1. 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

1. Acoustical Wall Panels shall be 1" thick - 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 Model WP-1

The Proudfoot Company Inc.
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2. Facing material: Guilford of Maine FR 701-2100 100% polyester
3. Panel Thickness: nominal 1" thick
4. Noise Reduction Coefficient: NRC 0.85
5. Panel Width: 48 Inches
6. Panel Length: as indicated up to 10 ft. long.

2.2 CONSTRUCTION

- A. The acoustical wall panel product shall be supplied in 48" wide panels with lengths as indicated. All edges will be fully wrapped with mounting as indicated.

2.3 MOUNTING

1. 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 manufacturers standard pattern and adhesively bonded to back of panel, with base support brackets where recommended by manufacturer for additional support of panels.

2.4 ACOUSTICAL PERFORMANCE

Sound Absorption: Per ASTM C-423

Sound Absorption Coefficient per Octave Band Center Frequency (Hz)

125	250	500	1000	2000	4000	NRC
0.14	0.27	0.80	1.11	1.14	1.14	0.85

2.5 FLAMMABILITY RATING

1. All components shall have a Class A Flammability rating per ASTM E-84 Surface Burning Characteristics of Building Materials, with a Flame spread of 2.5 or less and Smoke Developed of 450 or less.

PART 3 - EXECUTION

3.1 **INSTALLATION**

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

3.2 **CLEANING**

- A. After completion of installation of panels, remove dust and other foreign material according to manufactures written instructions.
2. 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.

Noisemaster technical data, test reports and general information is available by contacting:
The Proudfoot Co., Inc. PO Box 276, Monroe, CT 06468, (203) 459-0031.