



**Smith & Fong Company**

394 Bel Marin Keys  
Suite 6  
Novato, CA 94949

Phone: (415) 896-0577  
Toll Free: (866) 835-9859  
Fax: (415) 896-0583

**DURAPALM ACOUSTICAL SYSTEMS - PANEL  
DECORATIVE ACOUSTICAL WALL PANELS  
PRODUCT SPECIFICATION  
IN CSI 3-PART FORMAT**

Website: [www.durapalm.com](http://www.durapalm.com)  
E-mail: [INFO@DURAPALM.COM](mailto:INFO@DURAPALM.COM)

**ACOUSTICAL SYSTEMS**

**SECTION 09 84 00 (09710)**

**DECORATIVE ACOUSTICAL WALL PANELS**

**PART 1-GENERAL**

**1.1 RELATED DOCUMENTS**

General conditions and shop drawings of Contract, including General and Supplementary Conditions including Division-1 sections should they apply to the work of this section.

**1.2 SUMMARY**

- A. Section Includes:
  - 1. Wall panels, unfinished or prefinished decorative acoustical wall panels, and components.
- B. Substitutions
  - 1. Submittals which do not provide adequate product information required in the specification will not be considered. The proposed substitution shall meet all requirements of this section to be considered.

**1.3 REFERENCES**

- A. Test Methods:
  - 1. ASTM C 423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
  - 2. ASTM E 90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
  - 3. ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials.

4. ASTM-D5116 Standard Test Method for Determining Formaldehyde Concentrations in Air Emission Rates from Wood using a Small Chamber.

#### 1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's data for each type of wall panel required.
- B. Samples: For each specified wall panel, submit minimum size 3.5"-inch by 5.5"-inch samples of panels.
- C. Certifications: Submit copies of independent third-party certifications which meet specified requirements and related certified independent laboratory reports showing compliance with specified tests and standards.
- D. Shop Drawings: Submit shop drawings indicating wall panel layout, required trim, and seam locations for this project.

#### 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 10 years of experience in producing Palm wall panel products.
- B. Emissions Levels: Where indicated in Division 1 and, or Part 2, Products, quality assurance includes a copy of the laboratory letter verifying the product has been tested and meets CARB II minimum standard for air quality.
- C. Applicable LEED™ Credits:
  - Low-Emitting Materials**
  - Formaldehyde emissions evaluation**
  - Product meets one of the following: EPA TSCA Title VI or California Air Resources Board (CARB) ATCM for formaldehyde requirements for ultra-low-emitting formaldehyde (ULEF) resins or EPA TSCA Title VI or CARB ATCM formaldehyde requirements for no added formaldehyde resins (NAF).

#### 1.6 DELIVERY, STORAGE AND HANDLING

- A. Wall panels are to be delivered to the project site in original, unopened packages and must be protected from moisture, direct sunlight, and damage.
- B. Storage temperatures should not be different from normal conditions of an occupied space, between 55 degrees F and 85 degrees F, with relative humidity(RH) between 35 – 55%.
- C. Before installing wall panels, allow to achieve room temperature of the conditioned environment.

#### 1.7 WARRANTY

2. Submit a written warranty from the manufacturer available at:  
<https://www.durapalm.com/wp-content/uploads/2020/05/durapalm-carved-panel-warranty-5-2020.pdf>

#### 1.8 MAINTENANCE

- A. Extra Materials:
  1. Wall Panels: Furnish extra quantity of units equal to 5.0 percent of amount installed.

## **PART 2 - PRODUCTS**

### **2.1 MANUFACTURERS**

- A. Wall Panels:
1. Manufacturer: Smith & Fong Company
    - a. 394 Bel Marin Keys, suite 6, Novato, CA 94949
    - b. Telephone: 415-896-0577
    - c. Website: www.durapalm.com

### **2.2 WALL PANELS**

1. Wall Panels: Type AWP-1:
2. Material: Palm (top and bottom) with Bamboo Core
3. Surface Texture: Smooth
4. Surface Type: Sugar Palm (Borassus Flabellifer)
5. Base/Core Composition: Species: Moso bamboo (Phyllostachys Pubescens)
6. Sound Absorption: QuietWall™ Technology
7. Styles: (Ironwood) (Rajasthan) (Sumba) (Timor) (Tahiti) (Marrakesh) (Sandakan)
8. Standards/Certifications: (CARB II)
9. Thickness: ¾-inch (19mm)
10. Width: 47-3/4 inches (1213mm)
11. Panel Heights: 95-3/4 inches (2432mm)
12. Edge Profile: Straight edge
13. ASTM Procedure C 423--09a, *Standard Test Method For Sound Absorption And Sound Absorption*: avg. 0.50 – 0.70 (based on design)
14. Sound Transmission Class (STC): ASTM E 795A: Rating 0.00
15. 43 – Wall Panel on one side of 5/8" drywall on 3-5/8" metal studs
16. 46 – Wall Panel on two sides of 5/8" drywall on 3-5/8" metal studs
17. 52 - Wall Panel on one side of 5/8" drywall on 3-5/8" metal studs with R-11 fiberglass insulation in cavity
18. Flame Spread: ASTM E84; Class C
19. Emission Testing: ASTM D5116 – ULEF, (Ultra Low Emitting Formaldehyde)
20. Dimensional Stability: Standard – space must be enclosed with HVAC systems operating and with appropriate Durapalm Acoustics Systems Panels

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. All wet work such as concrete, terrazzo, plastering and painting must be completed and thoroughly dried out before installing the product specified, unless expressly permitted by manufacturer's printed recommendations.

### **3.2 PREPARATION**

- A. Measure the wall area(s) and establish layout of wall panel units per shop drawings and to ensure border widths are balanced at opposite edges. Coordinate panel layout with mechanical and electrical fixtures.

### **3.3 INSTALLATION**

- A. Install wall panels by attaching the panels to an existing wall per the manufacturer's instructions and in accordance with the authorities having jurisdiction.
- B. Install panels using a standard Z-clip system.

### **3.4 ADJUSTING AND CLEANING**

- A. Replace damaged and broken panels.
- B. Perform routine maintenance involving frequent vacuuming to mitigate dirt and grit accumulation. When needed, clean with a damp (not wet) cloth.

**END OF SECTION**