

# SPECIFICATION

CSISOUNDCORE®

## SECTION 098400 - ACOUSTICAL ROOM COMPONENT

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

Conditions of Contract, including General and Supplementary Conditions and Division 01 Specification sections apply to work of this section.

#### **1.2 SUMMARY**

- A. Section Includes:
  - 1. Acoustical Room Components
- B. Alternates
  - 1. No substitutions will be allowed

#### **1.3 REFERENCES**

- A. Test Methods:
  - 1. ASTM C 423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
  - 2. ASTM E 84/CAN/ULC S102 Standard Test Method for Surface Burning Characteristics of Building Materials.

#### **1.4 SUBMITTALS**

- A. Product Data: Submit manufacturer's technical data for each type of acoustical room component.
- B. Samples: Minimum 4" x 4" samples of specified acoustical component; minimum 4 inch long samples of attachment method including trim and decorative accents.

- C. Certifications: Manufacturer's certifications that products comply with specified requirements, including laboratory reports. For acoustical performance, each carton of material must carry 3<sup>rd</sup> party-tested NRC classification .
- D. Shop Drawings: Submit shop drawings showing how components are to be configured and attached.

## **1.5 QUALITY ASSURANCE**

- A. Single-Source Responsibility: Provide acoustical components and installation components by a single manufacturer.
- B. Coordination of Work: Coordinate acoustical component work with installers of related work including, but not limited to light fixtures, mechanical systems, electrical systems, and sprinklers.

## **1.6 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver acoustical components to project site in original, unopened packages and store them in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination, and other causes.
- B. Before installing acoustical components, allow them to gradually reach room temperature and a stabilized moisture content.
- C. Handle acoustical components carefully to avoid damage.

## **1.7 PROJECT CONDITIONS**

- A. Space Enclosure:
  - 1. Acoustical Components: All wet work must be complete and dry prior to installation. Installation shall be carried out where the temperature is between 40 degrees F and 120 degrees F. These temperature conditions must be maintained for optimal component lifespan.

## **1.8 WARRANTY**

- A. Acoustical Room Component: Submit a written warranty executed by the manufacturer, agreeing to repair or replace acoustical panels that fail within the warranty period. Failures include, but are not limited to:
  - 1. Acoustical Room Component: Manufacturer's defects
  
- B. Warranty Period:
  - 1. Acoustical Room Component: One (1) year from date of substantial completion.
  
- C. The Warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under the requirements of the Contract Documents.

# **PART 2 - PRODUCTS**

## **2.1 MANUFACTURERS**

- A. Acoustical Room Components:
  - 1. CSI Wall Panels

## **2.2 ACOUSTICAL ROOM COMPONENTS**

- A. Acoustical Room Components
  - 1. Composition: Recycled & Virgin PET
  - 2. Finish: Standard Colors, Custom Printing
  - 3. Color: As selected by architect from manufacturer's standard color offering.
  - 4. Dimensional Stability: Standard – space must be enclosed with HVAC systems operating at all times.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Do not proceed with installation until all prior wet work has been completed and thoroughly dried out, unless expressly permitted by manufacturer's printed recommendations.

### **3.2 PREPARATION**

- A. Prepare work area in accordance with manufacturer's instructions

### **3.3 INSTALLATION**

- A. Install components per the manufacturer's instructions, and in accordance with the authorities having jurisdiction.

### **3.4 ADJUSTING AND CLEANING**

- A. Replace damaged and broken components.
- B. Maintenance of components should consist of: Blot spills from material quickly. Wipe with a damp cloth. If stain persists, apply small quantities of carpet or upholstery shampoo solution with a damp cloth (test on inconspicuous location first). Blot well with a clean cloth after each application. Avoid excessive amounts of water. Ensure adequate ventilation if the product is subject to excessive moisture

### **3.5 WASTE MANAGEMENT**

- A. Soundcore® Acoustic Fiber may be disposed of in standard PET recycling stream provided that no disqualifying foreign matter has been affixed, such as adhesives.
- B. Waste Management:
  1. Coordinate recycling of waste materials with Section [01 74 19 - Construction Waste Management and Disposal].
  2. Collect recyclable waste and dispose of or recycle field generated construction waste created during demolition, construction or final cleaning.

3. Remove recycling containers and bins from site.

**3.6 PROTECTION**

A. Protect finished work from damage due to subsequent construction activity on the site

END OF SECTION