

## SECTION 095400

### MONOLITHIC ACOUSTICAL CEILING SYSTEM

#### PART 1 - GENERAL

##### 1.1 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section including the following:

1. Monolithic acoustical ceiling system with fine textured plaster coating.

- B. Related Requirements:

1. Section 092110 - Gypsum Board Assemblies for drywall grid and trim.
2. Section 095100 - Acoustical Ceilings for other ceiling systems.
3. Division 21 - Fire Suppression for ceiling mounted fixtures.
4. Division 26 - Electrical for ceiling mounted fixtures.

##### 1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions.

- B. Samples: Submit minimum 6 by 6 inch sample of finished color and texture.

- C. Shop Drawings: Submit shop drawings showing plans, details of construction and relationship with adjacent construction.

- D. Coordination Drawings: Submit reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

1. Suspension system members.
2. Method of attachment to building structure.
3. Items penetrating finished ceiling and ceiling-mounted items including the following as applicable: Lighting fixtures, diffusers, grilles, speakers, sprinklers, and access panels.

- E. Sustainable Design: Submit manufacturer's documentation for the following:

1. Declare.
2. Health product declaration v2.2 (HPD).
3. Cradle to Cradle certification.
4. LBC Red List Free.
5. Contribution to LEED v4.1 credits.
6. Contribution to WELL v1 / v2 credits.
7. EPD.
8. IAC Gold (VOC requirements).

- F. Maintenance Data: For finish to include in maintenance manuals.

### 1.3 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 5 years experience producing similar products.
- B. Installer: Minimum of 2 years experience installing similar products and acceptable to ceiling system manufacturer.
- C. Preinstallation Conference: Convene a conference before scheduled commencement of the Work. Agenda shall include schedule, responsibilities, and critical path items.

### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in manufacturer's original containers with identification labels intact.
- B. Storage and Handling: Comply with manufacturer's recommendations for storage and handling. Protect from weather damage and construction operations.

### 1.5 WARRANTY

- A. Warranty: Provide manufacturer's standard limited against defects in product materials.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURER

- A. Basis-of-Design: OWApplan Monolithic Acoustic Ceiling System by OWA USA Corporation, 118 W. Streetsboro Street, Suite 205, Hudson, OH 44236. Phone +1 800 487 4308. Email rick.sweet@owa-ceilings.com. No substitutions.
  - 1. Version: OWApplan panels with OWApplan XS white very fine texture plaster coating, No. 2018 or 2020 as applicable.
  - 2. Panel Material: Wet-formed mineral fiber, fleece covered ASTM E1264 classification Type A, Form A2.2, Pattern G.
  - 3. Fire Performance: ASTM E84 Class A, Flame Spread Index 5, Smoke Developed Index 0.
  - 4. Light Reflectance: Approximately 81 (greater than 99 percent light diffusion).
  - 5. Sound Absorption: Up to NRC = 0.90.
  - 6. Sound Reduction: CAC = 41 dB.
  - 7. Humidity Resistance: Up to 95 percent RH.
  - 8. Release of Formaldehyde, OWAcoustic: Less than 5 µg/m³ (ISO 16000)
  - 9. Contribution to LEED Credits: For low-emitting products, TVOC limit acc. to CDPH < 50 µg/m³. Third-party certified (IAC Gold report) compliant with CDPH.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, including structural framing and substrates to which ceilings attach or abut, with Installer present, for compliance with requirements specified in this and other Sections that affect ceiling installation and anchorage and for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify installation of drywall and / or drywall grid comply with ASTM C635, ASTM C645 and ASTM C646.

- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. Install monolithic acoustical ceiling system in accordance with manufacturer's instructions, approved submittals, ASTM C754 and in proper relationship with adjacent construction.

### 3.3 CLEANING

- A. Clean exposed surfaces, including trim and edge moldings. Comply with manufacturer's written instructions for cleaning and touchup of minor finish damage.
- B. Remove and replace panels and other ceiling components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION