
THIS SECTION IS BASED ON **ROCKFON® CONTOUR™** CEILING PANEL.

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.
- B. Related Requirements:
 - 1. Section 095113 "Acoustical Panel Ceilings" for ceilings consisting of acoustical panels and exposed suspension systems for interior ceilings.

1.2 SUMMARY

- A. Section Includes: Provide suspended ceiling acoustical ceiling panels including but not limited to:
 - 1. Acoustical Ceiling Baffles.
- B. Related Sections:
 - 1. Section 09 58 00, Integrated Ceiling Assemblies.
 - 2. Section 13 48 00, Sound, Vibration, and Seismic Control.
 - 3. Section 23 50 00, Central Heating Equipment.
 - 4. Section 26 50 00, Lighting.

1.3 REFERENCE

- A. Abbreviations and Acronyms:
 - 1. ASCE: The American Society of Civil Engineers
 - 2. ASTM: American Society for Testing and Materials
 - 3. CISCA: Ceilings & Interior Systems Construction Association; www.cisca.org.
 - 4. IBC: International Building Code
 - 5. International WELL Building Standard
 - 6. LEED: Leadership in Energy and Environmental Design (set of rating systems for the design, construction, operation, and maintenance of green buildings)
 - 7. LBC: Living Building Challenge
- B. Reference Standards:
 - 1. ASTM C1338 Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings
 - 2. ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Coating Systems
 - 3. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
 - 4. ASTM D4828 Standard Test Methods for Practical Washability of Organic Coatings
 - 5. ASTM D6329 Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers
 - 6. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials

- 7. ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials
- 8. ASTM E795 Practice for Mounting Specimens During Sound Absorption Tests
- 9. ASTM E1264 Standard Classification for Acoustical Ceiling Products
- 10. ASTM E1414/E1414M Standard Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum
- 11. ASTM E1477 Standard Test Method for Luminous Reflectance Factor of Acoustical Materials by Use of Integrating-Sphere Reflectometers
- 12. ICC-ES / ESR 2631 International Code Council-Evaluation Services -ESR 2631 Rockfon Chicago Metallic Corporation Suspended Ceiling Framing Systems and Suspension Ceiling Systems
- 13. UL 2818 GREENGUARD Certification Program For Chemical Emissions For Building Materials, Finishes And Furnishings
- 14. California Department of Public Health CDPH/EHLB Emission Standard Method Version 1.2 2017

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Pre-installation Conference: Conduct conference at [Project site] . Agenda includes Project conditions, coordination with work of other trades, and layout of items which penetrate ceilings.

1.5 SUBMITTALS

- A. Product Data: Submit manufacturer's Product data, including maintenance data.
- B. Sustainable Design Submittals:
 - 1. Product Data: For recycled content, indicating pre-consumer recycled content and cost
 - 2. Product Certificates: For indigenous materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project, means of transportation, and cost for each indigenous material.
 - 3. Sourcing of Raw Materials: Corporate sustainability report for each manufacturer.
 - 4. Environmental Product Declaration (EPD) Certification
 - 5. Laboratory Test Reports: For ceiling products, indicating compliance with requirements for low-emitting materials UL GREENGUARD.
 - 6. Mold and mildew resistance per ASTM D3273 [Level 10 – No Mold Growth] and ASTM C1338 [Pass – No Fungal Growth].
- C. Samples: For each exposed product, [6 by 8 inches (150 by 203 mm)] in size.
- D. Delegated Design Submittals: For seismic restraints for suspended ceiling systems.
 - 1. Include design calculations for seismic restraints including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Supply additional material (full-size ceiling panels) equal to 2% of ceiling area. Additional material should match Products installed and have the appropriate labels and identification.
- B. Supply extra materials that match Products installed and are packaged with protective covering for storage and identified with labels describing contents.

1.7 QUALITY ASSURANCE

- A. Single-Source Responsibility: Provide acoustical panel units and grid components by a single manufacturer.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver acoustical baffles, suspension-system components, and accessories to Project site and store them in a fully enclosed, conditioned space where they will be protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes.

1.9 WARRANTY

- A. **Warranty Period:**
Acoustical Baffles Manufacturer Warranty: Submit a written warranty executed by manufacturer for a period of **30 years** from date of Substantial Completion, agreeing to repair or replace acoustical baffle that fails or is compromised within the specified warranty period. The warranty does not cover any damage or change to the Products resulting from improper material handling or storage, water, moisture, fire, chemical fumes, bacteria, mold, fungi, wind, accident, disaster, non-intended use, improper installation, abuse, or failure of other system components or modification.

PART 2 - PRODUCTS

2.2 MATERIALS

- A. Manufacturer: Rockfon 4849 South Austin Avenue, Chicago, IL 60638. 1-800-323-7164; www.rockfon.com.
- B. Basis-of-Design Product: Subject to compliance with requirements, provide Rockfon® Contour™ with following characteristics:
1. Material: Stone Wool
 2. Size: [12" x 47.5"] [24" x 47.5"] [12" x 71"] [24" x 71"] [6"/12" x 47.5"] [12"/18" x 47.5"] [18"/24" x 47.5"]
 3. Thickness: 2".
 4. Color: White
 5. Light Reflectance: 0.79
 6. Noise Reduction Coefficient (NRC): row spacing dependent
 7. Fire Class : Class A per UL723 / ASTM E84
Flame Spread Index [0]
Smoke Developed Index [5]
 8. Recycled Content: 43%
 9. Sustainability Design Certification: Meeting UL GREENGUARD. EPD available.
 10. Provide acoustical baffles without any added antimicrobial treatments; that are inherently resistant to fungus, mold, mildew, and gram-positive and gram-negative bacteria with a rating of 10; and that show no mold, mildew, or bacterial growth after 28-days of exposure when tested in accordance with ASTM D3273 [Level 10 – No Mold Growth] and ASTM C1338 [Pass – No Fungal Growth].

PART 3 - EXECUTION**3.1 EXAMINATION**

- A. Examine substrates, areas, and conditions, including structural framing to which acoustical panel ceilings attach or abut, with Installer present, for compliance with requirements specified in this and other Sections that affect ceiling installation and anchorage and with requirements for installation tolerances and other conditions affecting performance of acoustical panel ceilings.
- B. Examine acoustical baffles before installation. Reject acoustical baffles that are wet, moisture damaged, or mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected

3.2 CLEANING

- A. Comply with manufacturer's written instructions for cleaning and touch up of minor finish damage.
- B. Remove and replace ceiling components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.