

# Commercial Acoustics Absorption Panel Specification

## Division 09 – Finishes

### Section 097723 – Fabric-Wrapped Panels or 098400 Acoustic Room Components

#### PART 1 – GENERAL

##### 1.1 SUMMARY

###### A. Section includes:

1. “Acoustic Absorption Cloud” *Ekko Eraser* by Commercial Acoustics.

##### 1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract including supplements and addendums.
- B. Applicable Specification Sections: Division 01 – General and Division 09 – Finishes.

##### 1.3 REFERENCES

###### A. Fire Hazard Classification:

1. Class A: ASTM E84 / UL723 / NFPA 255 – *Standard Test Method for Surface Burning Characteristics of Building Materials*.
2. Meets NFPA 90A and 90B.

###### B. Performance:

1. ASTM C423 – *Standard Test Method For Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method*.

##### 1.4 SUBMITTALS

###### A. For each product indicated:

1. Product Data Sheet.
2. Detailed Installation Instructions, including jobsite condition requirements, surface preparation requirements, and approved products.

##### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. All materials shall be delivered in original unopened packaging.
- B. Store product in original packaging at room temperatures.
- C. Unwrapped Panels to be handled with clean gloves. Do not bend, puncture, brush, paint or otherwise misuse the Panels.

##### 1.6 PROJECT CONDITIONS

- A. Site to be clean, clear, and accessible at time of installation.
- B. Art Absorption Panels are installed after drywall installation is complete and the space is fully dried-in.
- C. Ensure that all applicable inspections are completed and that all wall penetrations are set prior to installation.

#### PART 2 – PRODUCTS

##### 2.1 ACOUSTIC ABSORPTION PANEL BY COMMERCIAL ACOUSTICS

###### A. Materials:

1. 6-7pcf Acoustical Fiberglass
  - a. Processed from borosilicate glass fibers, bonded with thermosetting resin.

2. Maharam, DesignTex, Carnegie, or Guilford of Maine acoustically transparent fabric wrap.
  3. Resin-hardened edges.
  4. Edge Options: square; beveled.
- B. Dimensions:
1. Thickness: 1" to 2" Standard; 1-1/8" to 2-1/8" High Impact
  2. Standard Sizes: 2'x2', 2'x4', 2'x6', 2'x8', 4'x4', 4'x6', 4'x8'.
    - a. Custom sizes are available
  3. Tolerances: +/- 1/4"
- C. Performance:
1. Noise Reduction Coefficient per ASTM C423
  2. NRC = 1.05 for 2" thick. NRC = 0.80 for 1" thick. See data sheet for octave-band summary.
  3. Environmental:
    - a. Indoor Air Quality: Certified by GREENGUARD Environmental Institute as low-emitting product (Children Standard).

## PART 3 – EXECUTION

### 3.1 PREPARATION

- A. Wall to receive Absorption Panel must be structurally sound prior to installation.
- B. Wall must be clean and free of debris.
  1. Protrusions greater than 1/16" shall be scraped from the surface.

### 3.2 INSTALLATION

- A. Suspended cloud mount using Rotofast Anchors and airline wire or braided steel cable. See manufacturer's installation instructions.

### 3.3 PROCEDURE

- A. Fasten eye-bolt to underside of deck with powder-actuated fastener.
- B. Install Rotofast anchors on to back of Ekko Eraser cloud on back of panel, directly below the coinciding eyebolts.
- C. Use braided steel cable or airline wire to fasten together.
- D. Use laser-leveling guide to ensure parallel contour to ceiling +/- 2 degrees.

END OF SECTION