Commercial Acoustics Absorption Panel Specification

**Division 09 – Finishes**

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

PART 1 – GENERAL

* 1. SUMMARY

1. Section includes:
2. “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

1. Fire Hazard Classification:
2. Class A: ASTM E84 / UL723 / NFPA 255 – *Standard Test Method for Surface Burning Characteristics of Building Materials.*
3. 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

1. For each product indicated:
2. Product Data Sheet.
3. Detailed Installation Instructions, including jobsite condition requirements, surface preparation requirements, and approved products.

1.5 DELIVERY, STORAGE, AND HANDLING

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

1.6 PROJECT CONDITIONS

1. Site to be clean, clear, and accessible at time of installation.
2. Art Absorption Panels are installed after drywall installation is complete and the space is fully dried-in.
3. 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

1. Materials:
2. 6-7pcf Acoustical Fiberglass
   1. Processed from borosilicate glass fibers, bonded with thermosetting resin.
3. Maharam, DesignTex, Carnegie, or Guilford of Maine acoustically transparent fabric wrap.
4. Resin-hardened edges.
5. Edge Options: square; beveled.
6. Dimensions:
7. Thickness: 1” to 2” Standard; 1-1/8” to 2-1/8” High Impact
8. Standard Sizes: 2’x2’, 2’x4’, 2’x6’, 2’x8’, 4’x4’, 4’x6’, 4’x8’.
   1. Custom sizes are available
9. Tolerances: +/- 1/4”
10. Performance:
11. Noise Reduction Coefficient per ASTM C423
12. NRC = 1.05 for 2” thick. NRC = 0.80 for 1” thick. See data sheet for octave-band summary.
13. Environmental:
    1. 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

1. Suspended cloud mount using Rotofast Anchors and airline wire or braided steel cable. See manufacturer’s installation instructions.

3.3 PROCEDURE

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

END OF SECTION