Commercial Acoustics Absorption Panel Specification

**Division 09 – Finishes**

**Section 09500 – Acoustical Treatment**

PART 1 – GENERAL

* 1. SUMMARY

1. Section includes:
2. “Acoustic Absorption Panel” 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, 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. Guilford of Maine acoustically transparent fabric wrap.
4. Resin-hardened edges.
5. Edge Options: square; wood-framed; beveled.
6. Dimensions:
7. Thickness: 1”-2” Standard; 1-1/8” – 2-1/8” High Impact
8. Standard Sizes: 2’x2’, 2’x4’, 2’x6’, 2’x8’, 4’x4’, 4’x6’, 4’x8’.
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. Wall-mounted using impaling clips. Hardware included with Panels.
2. Direct ceiling mount with Z-clips and suspended cloud mount using Rotofast Anchors available. See manufacturer’s installation instructions.

3.3 PROCEDURE

1. Install impaling clips into drywall using standard drywall anchors and drywall screws.
   1. Provide 1” wooden shims if necessary for walls with curvature.
2. Place Panel 1/2”-1” above desired finished height, and press down into place onto teeth of impaling clips.
   1. Use Liquid Nails or other construction adhesive to secure Panels to impaling clips, if necessary.
3. Handle panels with clean gloves. Contact manufacturer for post-installed cleaning methods.
4. Contact manufacturer for direct ceiling and ceiling-cloud mounting procedure.

END OF SECTION