

SECTION 09844 – ACOUSTICAL COTTON SOUNDWAVE EGGCRETE PANELS

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.

1.2 SUMMARY

- A. This Section includes acoustical cotton soundwave eggcrate panels.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions.
- B. [LEED Submittals: Product data showing recycled and VOC content.]**
- C. Samples: Submit 2 samples of 6" x 6".
- D. Test Reports: Upon request submit certified test reports from recognized test laboratories.
- E. Certificates: Submit manufacturer's certificate that products meet or exceed specified requirements.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity.

1.5 DELIVERY, STORAGE & HANDLING

- A. Delivery: Deliver material in the manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Provide labels indicating brand name, source of procurement, style, size and thickness.
- C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

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1.6 MAINTENANCE

- A. Extra Materials: Provide [**Specify percentage**] for use by owner in building maintenance and repair.
- B. Provide new unopened cartons of extra materials, packaged with protective covering for storage and identified with appropriate labels.

1.7 WARRANTY

- A. Warranty Period: One year.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acoustical Cotton Soundwave Eggcrate Panels:
 - 1. Echo Eliminator Acoustical Cotton Soundwave Eggcrate Panels by Acoustical Surfaces Inc. (Basis of Design)
 - a. 123 Columbia Court North Suite 210.
 - b. Chaska, MN 55318
 - c. (800) 448 - 0121.
 - d. www.AcousticalSurfaces.com
 - 2. Or equal.

2.2 ACOUSTICAL COTTON SOUNDWAVE EGGCRATE PANELS

- A. Material: Made from recycled cotton, lightweight, impact resistant, fiberglass free, and high performance acoustical absorption.
- B. Size: [**2' x 4'**] [**As indicated on Drawings**].
- C. Thickness: 2".
- D. Color: Charcoal.
- E. Sustainable Features:
 - 1. Recycled Content: Certified 85% recycled material and 100% recyclable, contributing to LEED MRc4.1-4.2 credits.
 - 2. Volatile Organic Compounds: No VOC.
- F. Applications: Ideally suited to studios, school gymnasiums, cafeterias, classrooms, churches, multi-purpose rooms, and community centers.
- G. Flammability: Meets or exceeds the ASTM E-84-07 parameters for 'Class A'.
- H. Acoustical Performance – Noise Reduction Coefficient (NRC) for 3 lb/cf in thickness below:
 - 1. 2inch thick: 1.15.

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PART 3 - EXECUTION

3.1 EXAMINATION

- A. Site Verification of Conditions:
 - 1. Do not proceed with installation of acoustical panel until unacceptable conditions are corrected.

3.2 INSTALLATION

- A. Manufacturer's Instructions:
 - 1. Comply with the instructions and recommendations of the acoustical panel manufacturer.
 - 2. Install materials in accordance with governing regulations, fire resistance rating requirements and industry standards applicable to work.

3.3 PROTECTION

- A. Protect installed work from damage due to subsequent construction activity, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the Owner.

END OF SECTION 09844