

## FABRI-TRAK GUIDE SPECIFICATION – CSI FORMAT

### SECTION 09710 – ACOUSTICAL AND TACKABLE WALL TREATMENT

#### PART 1 - GENERAL

##### 1.01 SUMMARY

- A. Section Includes: Acoustical wall panels.
- B. Related Sections: [**Specify applicable sections with related work**].

##### 1.02 REFERENCES

- A. ASTM C423-90a “Standard Test Method for Sound Absorption and Sound Absorption coefficients by the Reverberation Room Method”
- B. ASTM E795-93 “Standard Practices for Mounting Test Specimens during Sound Absorption Tests”
- C. ASTM E84 “Test for Surface Burning Characteristics of Building Materials”

##### 1.03 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide field-fabricated acoustical wall panels which have been fabricated and installed to maintain performance criteria stated by manufacturer without defects, damage or failure. Pre-fabricated panels will not fulfill the requirements of this section.

##### 1.04 SUBMITTALS

- A. Product Data: Submit manufacturer’s product data for specified products.
- B. Shop Drawings: Submit shop drawings showing product components and typical details.
- C. Samples: Submit selection and verification samples for finish, color and texture.
- D. Test Reports: Test reports showing compliance with specified acoustical performance characteristics and physical properties.
- E. Certificates: Product certificates signed by manufacturer or dealer certifying materials comply with specified performance criteria and physical requirements.
- F. Manufacturer’s Instructions: Manufacturer’s installation instructions.
- G. Closeout Submittals: Submit the following:
  - 1. Operation and Maintenance Data: Operation and maintenance data for installed products. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.
  - 2. Warranty: Warranty documents specified herein.

##### 1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Installer should have a minimum of ten years verifiable experience in performing work of this section, and be specialized in installation of work similar to that required for this project. Installer should be an authorized dealer, licensed by the manufacturer, a member of the Wall Upholstery Guild of America, and certified as such.

##### 1.06 DELIVERY, STORAGE & HANDLING

- A. Delivery: Deliver materials in manufacturer’s original, unopened, undamaged containers with identification labels intact
- B. Storage and Protection: Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer.

1.07 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer’s Warranty: Submit manufacturer’s standard warranty document executed by authorized company official. Manufacturer’s warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.
  - 1. Warranty Period: One year commencing on Date of Substantial Completion.

1.08 MAINTENANCE

- A. Extra Materials: Deliver to Owner extra materials from same production run as products installed. Package products with protective covering and identify with descriptive labels.
  - 1. Quantity: Furnish quantity of fabric equal to [Specify %] of amount installed.
  - 2. Delivery, Storage and Protection: Comply with Owner’s requirements for delivery, storage and protection of extra materials.

PART 2 - PRODUCTS

2.01 ACOUSTICAL WALL PANELS

- A. Manufacturer: Fabri-Trak® Systems, Inc.
  - 1. Manufacturer Contact: Fabri-Trak® Systems, Inc., website [www.fabritrak.com](http://www.fabritrak.com), phone 877-FABRITRAK, email [info@fabritrak.com](mailto:info@fabritrak.com).
  - 2. Dealer Contact: Curt Williams, ArchiTextures. [curt@fabricpanels.com](mailto:curt@fabricpanels.com) [www.fabricpanels.com](http://www.fabricpanels.com) phone 206-634-1166 or 800-562-6518, fax 206-632-1989.

B. Product(s): [Specify one or more of the following products].

- 1. Fabri-Trak® Acoustical Wall Panels with AcoustiCotton™:
  - a. Panel Thickness: Standard thickness of 1/2-inch and 1-inch, or panel may be shimmed to other thickness as required [Specify thickness required].
  - b. Core: AcoustiCotton™, recycled cotton composite semi-rigid acoustical board.
  - c. Acoustical Performance as Noise Reduction Coefficient (NRC) per ASTM C423, with type A Mounting:

Density	Thickness	Coefficients and Frequencies						
		125	250	500	1000	2000	4000	NRC
3#	½”	.01	.06	.22	.54	.81	1.00	.40
4.5#	1”	.04	.33	.86	1.01	1.04	1.02	.80
6#	1”	.06	.38	.88	.99	1.00	1.04	.80

- d. Edges (framework): [Specify square, bevel, or radius edge].
  - e. Fire Performance: Class A when tested according to UL Standard 723 (ASTM E84).
- 2. Fabri-Trak® Tackable Wall Panels:
  - a. Panel Thickness: Standard thickness of 1/2-inch.
  - b. Core: USG Micore 300 mineral fiberboard.
  - c. Edges (framework): [Specify square, bevel or radius edge].
  - d. Fire Performance: Class A when tested according to UL Standard 723 (ASTM E84).
- 3. Fabri-Trak® Upholstered Wall Panels:
  - a. Panel Thickness: Standard thickness of 3/8-inch.
  - b. Infill: Fabri-Fill Polyester Pad.
  - c. Acoustical Performance (ASTM C423): NRC rating of 0.40.
  - d. Edges (framework): [Specify square, bevel or radius edge].
  - e. Fire Performance: Class A when tested according to UL Standard 723 (ASTM E84).

4. Fabri-Trak® Acoustical/Tackable Wall Panels:
    - a. Panel Thickness: Standard thickness of 1-inch.
    - b. Core: Fiber Glass semi-rigid 6-pcf density acoustical board with 1/8" thick 18-20pcf tackable Fiber Glass layer laminated to face of board.
    - c. Acoustical Performance (ASTM C423): NRC rating of 0.80 for 1-inch thick panel tested in a Type A Mount.
    - d. Edges (framework): [**Specify square, bevel, or radius edge**].
    - e. Fire Performance: Class A when tested according to UL Standard 723 (ASTM E84).
  5. Fabri-Trak® Combination Core Wall Panels:
    - a. Panel Thickness: [**Specify thickness**].
    - b. Core: Acoustical, tackable, nailable [**Specify combination of panel core materials under continuous fabric layer**].
    - c. Edges (framework): [**Specify square, bevel or radius edge**].
    - d. Fire Performance: Class A when tested according to UL Standard 723 (ASTM E84).
- C. Fabric: [**Specify fabric by listing manufacturer, style number, pattern, color, fabric width, fiber content, pattern repeat, and direction of fabric on the panel. Fabric should meet Class A fire performance standard. Specify a liner fabric where face fabric is translucent. Submit memo sample to installer or dealer for verification of suitability**].
- D. Panel Mounting System: Provide manufacturer's standard system for mounting method indicated by job conditions.
- E. Optional Fabric Treatment: Apply FabriPel protective finish to enhance the fabric's stain, soil, fade and abrasion resistance without affecting fire performance or hand of the fabric.

## 2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

## 2.03 SOURCE QUALITY

- A. Source Quality: Obtain acoustical wall panel materials from a single supplier.

## PART 3 - EXECUTION

### 3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

### 3.02 EXAMINATION

- A. Site Verification of Substrate Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.
- B. Site Verification of Environmental Conditions: Verify that the work space is enclosed and weather tight, all wet work is dry and complete, the base and floor coverings are installed, and all adjacent and related work of other trades has been completed. Verify ambient temperature and humidity conditions are continuously maintained at values indicated for final acceptance of the building or occupancy of the space.

### 3.03 PREPARATION

- A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation.

### 3.04 INSTALLATION

#### A. General:

1. Field measure each wall area which is to receive the fabric panel treatment to establish the exact layout of the units as shown on the architectural drawings.
2. Fabricate panels in the field to fit the panel layout as shown on the architectural drawings.
3. Pre-wrapped, pre-fabricated, or wood grounds systems do not meet the intent of this specification.

#### B. Manufacturer Installation Instructions:

1. Apply the Fabri-Trak® framework in the areas to receive the acoustical wall treatment as shown on the architectural drawings. Secure with suitable mastic and heavy-duty one-inch diverging staples located not more than 2-inches on center. Other fasteners may be used as required, providing they are in accordance with manufacturer's instructions, and comply with governing regulations and specified fire performance requirements.
2. Install the subsurface core material continuous and flush, to the shoulder of the framework.
3. Install the fabric from the face side after the framework is securely fastened.
4. The fabric shall be stretched tautly, evenly and smoothly over the subsurface without the use of glue and without stapling or nailing through the face. The fabric pattern shall be matched and true, provided that the dimensions of the panels allow pattern matching.

#### C. Site Tolerances: [**Specify applicable site tolerances for specified product(s) installation**].

### 3.05 FIELD QUALITY REQUIREMENTS

- #### A. Manufacturer's Field Services:
- Upon Owner's request, provide manufacturer's field service consisting of product use recommendations and site visit for inspection of product installation in accordance with manufacturer's instructions.

### 3.06 CLEANING

- #### A. Cleaning:
- Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

### 3.07 PROTECTION

- #### A. Protection:
- Protect installed product and finish surfaces from damage during construction.

END OF SECTION