

## Section 09 77 13

### Sustainable Stretched-Fabric Wall Systems

*SoftWalls, Inc.*

#### PART 1 GENERAL

##### 1.01 Scope

###### A. Section Includes

1. Stretch fabric wall panels
2. Stretch fabric ceiling panels
3. Fully sustainable framework
4. Fully sustainable core material
5. Fully sustainable fabric
  - a. Furnish and install **SoftWalls™ GREEN** Acoustical & Tackable Stretch Fabric Systems.

###### B. Related Work Specified Elsewhere:

1. Preparation of a smooth, flat and plumb substrate.
2. Section 06 40 00 Architectural Woodwork
3. Section 08 10 00 Doors and Frames
4. Section 09 20 00 Plastering and Gypsum Board
5. Section 09 50 00 Ceilings
6. Section 09 60 00 Flooring
7. Section 09 72 00 Wall Covering,
8. Section 09 90 00 Painting and Coating

##### 1.02 References

- A. ASTM E84-01 Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. ASTM C423-99a Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
- C. ASTM E795-00 Standard Practices for Mounting Test Specimens During Sound Absorption Tests.

### 1.03 Quality Assurance

- A. The installation work of this Section shall be performed by an authorized **SoftWalls™** Partner with not less than 3 years installation experience.
- B. Submit references for 5 projects of similar size and scope.

### 1.04 Submittals

- A. Product Data: Submit **SoftWalls™ GREEN** product specifications and such data as may be required to show compliance with the Contract Documents.
- B. Shop Drawings: Submit scaled drawings identifying panel sizes, panel layouts, track profiles, subsurface core material, fabric and cut details.
- C. Submit samples of track system, subsurface core material and fabrics for approval.
- D. Submit in writing to the Owner, through the Architect, Installation Partner certification.
- E. Submit Installation Partners' Five (5) Year Limited Warranty against defects in materials and workmanship.
- F. Installation Partner shall submit a list of at least 5 projects that are of similar scope and size. List must include description, project name and contact.

### 1.05 Product Handling

- A. Store all materials off the ground and protected from dirt and dust of construction.
- B. Handle materials in a manner that will protect them from damage and soiling.

## PART 2 PRODUCTS

## 2.01 Manufacturers:

- A. The **SoftWalls™ GREEN** Acoustical or Tackable Stretched Fabric Panel Systems:

**SoftWalls™, Inc.**

7620-D Rickenbacker Dr.

Gaithersburg, MD 20879

Voice: (866) 440-6702

(301) 212-9880

Fax: (301)-384-9629

Email: [info@softwalls.com](mailto:info@softwalls.com)

Website: [www.softwalls.com](http://www.softwalls.com)

- B. Substitutions: No substitutions permitted.

## 2.02 Materials:

- A. Acoustical or Tackable Stretched Fabric Panel Systems:

1. FRAMEWORK: The **SoftWalls™ GREEN** System rigid **post-industrial** vinyl components shall consist of the following:

- a. **SIZE:** ½" or 1" square edge projection profile – fire retardant **SoftWalls™ GREEN** System.

2. Core Material:

- a. **ACOUSTICAL:** AcoustiCotton®: ½" or 1" or custom thickness semi-rigid subsurface, postindustrial and recyclable cotton/polyester blend.

\* Contact **SoftWalls, Inc.** or your local distributor/installer for currently available details.

- b. **TACKABLE:** Homasote N.C.F.R. - ½" post consumer and recyclable wood fiber.

- c. **ACOUSTICAL & TACKABLE:** Combination subsurface (core material). FR part Acoustic and part Tackable.

3. Fabric:

- a. Post Consumer or Post Industrial fabrics, shall be approved by the **SoftWalls™** Installation Dealer as to suitability.
- b. The Architect (for the Owner) shall submit the following information concerning the fabric to the Installation Partner.
  - i. Fabric Manufacturer.
  - ii. Width of Fabric.
  - iii. Fabric Contents
  - iv. Style Number.
  - v. Pattern Number.
  - vi. Color.
  - vii. Flame Retardant.
  - viii. Sample of Fabric (at least 12" x 12") for approval by the Installation Partner.
- c. (Eliminate one of the following two lines).
  - i. The fabric is to be supplied by the owner or architect.
  - ii. The fabric is to be supplied by the Installation Dealer.

## **PART 3 EXECUTION**

### **3.01 Existing Conditions**

- A. Examine the condition of the substrate and the conditions under which the work of the Section is to be performed. Notify the General Contractor or Architect, in writing, of any unsatisfactory conditions. DO NOT proceed with the work until all unsatisfactory conditions have been corrected in a manner satisfactory to the Installation Partner.
- B. DO NOT install Acoustical or Tackable Stretch Fabric System in any space until:
  - 1. The space is enclosed and is weather tight.
  - 2. All wet work has been completed and is dry.
  - 3. Painting is completed and surfaces are dry.
  - 4. Flooring and bases are installed and completed.
  - 5. All adjacent and related work of other trades has been completed including in part Architectural Woodwork, Masonry, Doors and Frames,

Hardware, Gypsum Drywall, Plastering, Ceilings and Ceiling Grid, Electrical and Plumbing work.

6. Ambient temperature and humidity are continuously maintained at values indicated for the final acceptance of the building or occupancy of the space.

### 3.02 Installation

- A. Field measure each area which is to receive Acoustical or Tackable Stretch Fabric System to establish the exact layout as shown on the elevations.
- B. Apply the System framework as shown on the elevations. Secure the framework with 16 gauge diverging staples with spacing not more than 2" apart. Other mechanical fasteners may be used as required for specific substrates.
- C. Install framework plumb, straight, flush and in proper alignment.
- D. Install the subsurface material, continuous and flush, to the shoulder of the track.
- E. Cut the fabric from each roll marking and maintaining sequence of drops, matching direction of weave for sequential and uniform installation.
- F. Install the fabric from the face side after the framework is securely fastened to ensure perfect horizontal and vertical weave alignment.
- G. The fabric shall be stretched tautly, evenly and smoothly to be free of defects or flaws.
- H. No stapling or gluing of fabric to the core material or track material will be permitted.
- I. Penetrations through the face of the fabric on any kind (i.e. staples, nails, etc.) will Not be permitted.
- J. The following Systems DO NOT meet the specification; Pre-wrapped, pre-fabricated, wood framed, hinged or snapping systems using tape or glue adhesive.
- K. Installation shall be completed in a timely manner and Installers shall be courteous and cooperate with other trades.

### 3.03 Cleaning and Protection

- A. Clean exposed surfaces of *SoftWalls*<sup>™</sup> Acoustical or Tackable panels. Trim and remove all loose threads and excess core material.
- B. Remove surplus *SoftWalls*<sup>™</sup> materials, trash and debris from the project site. Leave the work area neat and in clean condition.
- C. If conditions require, cover finished panels with protection prior to leaving site.

**END OF SECTION**