

SECTION 09545
SPECIAL CEILING AND WALL SURFACES

PART 1 - GENERAL

1.01 SUMMARY:

A. Section Includes:

A field installed **Eurospan Ceiling System** consisting of a laterally suspended textile, applied over an acoustical core, attached to a continuous mounting system of nominal 1" to 1 ½" rigid plastic extrusions as shown on the drawings and manufactured by **Wall Technology, Inc.**

1.02 SUBMITTALS:

A. Product Data:

Submit manufacturer's product specifications including certified laboratory test reports and other data required to show compliance with these specifications.

B. Samples:

Provide 12" by 12" samples of fabric, and representative samples of rigid plastic mounting devices.

C. Certified Test Reports:

Submit test data from an independent testing agency, acceptable to authorities having jurisdiction, evidencing that systems components comply with requirements indicated for fire performance characteristics. Submit test data from independent testing agencies showing that system complies with the specified requirements for acoustical performance.

1.03 QUALITY ASSURANCE:

A. Fire Hazard Classification: Eurospan Textile - Class A, per ASTM E84 with flame spread of 6 and smoke developed of 16.

B. Noise Reduction Coefficient of .80-ASTM C423 A mounting or 1.00 in E-400 mounting (1" thick glass fiber core) or as specified.

C. Installer Qualifications:

The installation work of this Section shall be performed by an experienced installation contractor approved by the manufacturer, and certified as such.

1.04 DELIVERY, STORAGE AND HANDLING:

- A. Protect system components from excessive moisture in shipment, storage, and handling. Deliver in unopened bundles and store in a dry place with adequate air circulation. Do not deliver material to building until "wet conditions" such as concrete, plaster, paint, and adhesives have been completed and cured to a condition of equilibrium.

1.05 PROJECT CONDITIONS:

- A. Do not install **Eurospan Ceiling System** until space has been enclosed and is weathertight, and until other finishes and wet-work in the space have been completed and are nominally dry.

1.06 MAINTENANCE:

- A. Extra Stock: As an option, matching replacement stock of Eurospan fabric of amounts requested by Owner may be required.

1.07 PRODUCT DRAWINGS:

- A. Drawings showing typical reflected ceiling plan, sectional views and details are to be submitted to the Architect/Designer.

PART 2 – PRODUCTS

2.01 SYSTEM:

- A. Provide a complete system, known as **Eurospan Ceiling System**, including anchoring, as provided by **AEC, Inc.** consisting of Eurospan textile field applied over acoustical core and mounted securely to perimeter, mid joint, and corner extrusions that tension the fabric tightly but permit removal of fabric, as required for replacement.
- B. Include required accessories as detailed or specified.

C. Acceptable Installers:

AEC, Inc.
3360 Wiley Post Road, Suite 150
Carrollton, Texas 75006

Phone: 972-488-1066
Fax: 972-488-0554
www.aeccorp.com

2.02 MATERIALS:

A. Fabric:

1. Eurospan Ceiling Textile, in a standard white or custom color, as supplied by **AEC, Inc.**
2. Fire Hazard Classification: Independently tested as Class A with a flame spread index of 6 and smoke developed of 16 per ASTM E84. Test mounting method: Loose laid on 2" hexagonal wire mesh with metal rods at 2 ft. on center. Test method with fabric adhered to cement board not acceptable.
3. Fabric shall be a stretch type that is capable of elongating 25 percent and have the ability to stretch in a horizontal plane with maximum deflection less than one inch in a 16 ft. span.
4. Fabric shall be available in a maximum width of 16 ft. The fabric shall spot cleanable and dry cleanable.
5. The standard color of the fabric is white with minimum light reflectance of .75.
6. The fabric shall be of a fiber content and locking weave so as not to be affected by heat or humidity for the life of the installation.

B. Acoustical Core: Standard system consists of 1" thick, medium density glass fiber core with 12 mil thick face sheet of white/translucent glass mat thermally bonded to the base core finish surface. Other glass fiber cores with various densities are available to meet specific acoustical requirements.

C. **Eurospan Ceiling System** fabric mounting devices are nominal 1" or 1 1/2" rigid FR-PVC high strength extrusions produced in perimeter, and mid joint profiles.

1. Perimeter track is available in square profile. Exposed edges selectively

covered with matching fabric or painted to match the fabric.

2. Mid Joint Track available:
 - a) Square
 - b) Abutted
 - c) Flexible for achieving curved lines, or conforming to concave or convex surfaces.
 - d) Capability to install vertical and/or horizontal panels continuously without joints.
 - e) When core material is thicker than track profile, F.R. treated (if required by code) wood "grounds" or furrings are used prior to mounting the track.
 - f) If the edges of these grounds are exposed they shall be finished with the Eurospan fabric or painted as specified.

3. Anchoring System: Stapler that has mechanical ability to diverge staples for attaching extrusions, 18 gauge wire size. Other fastening systems, approved by manufacturer may be used.

PART 3 – EXECUTION

3.01 EXAMINATION:

- A. Examine the condition of the substrate and the conditions under which the work of this Section is to be performed. Notify the Contractor in writing of any unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner satisfactory to the installer.

- B. Field measure each ceiling area which is to receive the **Eurospan Ceiling System** to establish the correct layout.

3.02 INSTALLATION:

General:

- A. Install materials in accordance with manufacturer's instructions, and comply with governing regulations, fire resistance rating requirements, as indicated, and industry standards applicable to the work.

- B. Apply the rigid plastic mounting system to surfaces that are to receive the treatment. Secure with pneumatic stapler using 1-inch staples spaced on 2-inch centers.

1. Other fasteners may be used as may be required for specific substrates, providing they are in strict accordance with the manufacturer's instructions and comply with governing regulations and fire resistance rating requirements specified.
- C. Install rigid plastic mounting system level and straight, flush and in proper alignment.
- D. Install the acoustical core material, continuous and flush to the edge of the track in largest sizes practical and secure in place with a suitable adhesive or staples. If the fabric is to be closer than ¼ " to the core then the joints shall be caulked and/or a white scrim or lining shall be used to prevent "read through." The scrim or lining shall not inhibit the acoustical performance of the system and meet all the necessary fire safety code requirements.
- E. Shop cut the Eurospan fabric slightly over-sized for each area to be covered. Label each piece and package in clean containers for transportation to job site. Larger projects may require full rolls to be shipped to the job site where a clean cutting and staging area must be maintained.
- F. Stretch the fabric and secure into the locking jaws so that it will be smooth, free of wrinkles or puckers. Trim off excess fabric at perimeter and tuck remaining material into storage channel of the extrusion.
- G. Examine fabric as it is installed for damage, imperfections, and soiling. Notify other trades to use care in working around the installed Eurospan fabric so as not to soil or damage the surface.

3.03 CLEANING AND PROTECTION

- A. Clean exposed surfaces of ceiling surface as necessary, comply with manufacturer's instructions for cleaning and repair of minor finish damage. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.
- B. The Installer shall advise the Contractor of required protection, including soiling from other trades and dust control, so that the work will be without damage and deterioration at the time of acceptance by the Owner.

End of Section 09545