

Project architect responsibility:

This is a general specification guide, intended to be used by experienced construction professionals, in conjunction with good construction practice and professional judgment. This guide is to aid in the creation of a complete building specification that is to be fully reviewed and edited by the architect of record (specifier). Sections of this guide should be included, edited, or omitted based on the requirements of a specific project. It is the responsibility of both the specifier and the purchaser to determine if a product or system is suitable for its intended use. Neither Conwed, nor any of its subsidiary or affiliated companies, assume any responsibility for the content of this specification guide relative to actual projects and specifically disclaim any and all liability for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or other construction related details, whether based upon the information provided by Conwed or otherwise.

SECTION 098414 – Acoustic stretched fabric ceiling systems

PART 1 - General

1.1 — SUMMARY

A. Section includes:

Fabric wrapped ceiling panels, consisting of a laterally-suspended textile, applied over a glass-fiber acoustic core and attached to a continuous mounting system. (Eurospan® EOS)

1.2 — SUBMITTALS

A. Product data:

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

B. Shop drawings:

Submit shop drawings showing typical wall elevations, sectional views and details of construction.

C. Samples:

Submit 12 by 12 inch samples of representative panel with factory detailed edge, and representative samples of mounting devices.

D. 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 and recycled content characteristics. Submit test data from independent testing agencies showing that system complies with the specified requirements for acoustical performance.

E. Extra stock:

Submit an additional 2 percent of each fabric as extra stock for future use.

1.3 — QUALITY ASSURANCE

A. Recycled content:

Fiberglass board core eligible to bear the Green Cross label for recycled content, certified on average to contain at least 40 percent recycled glass, with 10 percent post-consumer and 30 percent pre-consumer content.

B. Installer qualifications: Conwed Certified Installer.

1.4 — DELIVERY, STORAGE, AND HANDLING

A. Project conditions:

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.

1.5 — LIMITED WARRANTY

A. Limited warranty:

Provide manufacturer's standard limited 2-year warranty against defects in materials and manufacturing. Provide manufacturer's standard limited 10-year warranty against sagging or wrinkles due to heat, humidity or aging.

PART 2 - Products

2.1 — MANUFACTURER:

A. Fabric Wrapped Ceiling Panels: Eurospan® EOS Acoustical Ceiling System as manufactured by Eurospan® Stretch Systems, www.eurospanstretchsystems.com with the following characteristics:

1. **Fabric:** Eurospan® EOS Ceiling Textile, [standard white] [custom] color.
 - a. **Fabric type:** Fiber content and locking weave not affected by heat or humidity, spot cleanable and dry cleanable. Coated with light polyurethane coating cleanable with water or solvent-based cleaners.
 - b. **Fabric size:** No seams up to 16 feet; seams allowed over 16 feet.
 - c. **Fire performance:** NFPA Class A or UBC Class I, ASTM E84 flame spread index 5 or less and smoke developed 15 or less.
 - d. **Light reflectance:** Minimum light reflectance of 0.85 for white color.
 - e. **Penetrations:** Self supporting at penetrations, cut in fabric without additional reinforcement rings or support.
2. **Acoustical core:** [Standard 1 inch thick medium density glass fiber core.] [Non-standard $\frac{1}{2}$] [$\frac{3}{4}$] [1] [$1\frac{1}{2}$] [2] [3] [4] inch [medium] [high] density glass fiber core.
 - a. **Acoustic performance:** ASTM C 423, Type E mounting with minimum NRC of 1.00 at $1\frac{1}{2}$ inch thickness and 0.95 at $2\frac{1}{2}$ inch thickness.
3. **Mounting devices:** Nominal $\frac{1}{2}$ inch or 1 inch fire-retardant rigid polymer high-strength extrusions or aluminum extrusions produced in perimeter and mid-seam profiles. Staples, 18 gauge with mechanical ability to attach extrusions, suitable for mounting substrate.
 - a. **Fire performance, assembly:** NFPA Class A or UBC Class I, ASTM E84 flame spread index 5 or less and smoke developed 35 or less.
 - b. **Perimeter track:** Square, with exposed edges selective covered with matching fabric or painted to match the fabric.
 - c. **Mid joint track:** [Square] [Reveal] [Flexible] track as required to achieve design indicated on the Drawings. Capable of installing panels continuously without joints.
 - d. **Furring:** If core material is thicker than track profile, provide fire retardant treated wood grounds or furrings prior to mounting the track. If edges of grounds are exposed, finish with fabric or painted as selected.

PART 3 - Execution

3.1 — EXAMINATION:

- A.** Verification of Conditions: Examine installation location and conditions under which work is to be performed. Verify wet work is complete and dry. Verify suitable blocking is in place. Notify Contractor in writing of any unsatisfactory conditions. Do not proceed until satisfactory conditions are achieved.

3.2 — INSTALLATION

- A.** Install products in accordance with manufacturer's written instructions and in proper relationship with adjacent construction including the following:
 - 1.** Inspect fabric prior to installation. Do not install damaged, imperfect or soiled fabric.
 - 2.** Apply mounting system tracks to surfaces to receive system. Secure with 1 inch staples spaced on 2 inch centers.
 - 3.** Install mounting system tracks level and straight, flush and in proper alignment.
 - 4.** Install acoustical core material continuous and flush to the edge of the track in largest sizes practical and secure in place with appropriate adhesives or staples. For fabric very light in color or light in weight, provide a white scrim or lining to prevent read through. Scrim or lining shall not inhibit the acoustical performance of the system, and meet fire safety code requirements.
 - 5.** Stretch shop cut fabric and secure into the locking jaws to produce a smooth surface, free of wrinkles or puckers. Adjust fabric to meet the required dimensional layout.

3.3 — CLEANING AND PROTECTION

- A.** Clean exposed surfaces 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.** Advise 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.

End of Section

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