

SECTION 09951 - VINYL-COATED FABRIC WALL COVERINGS

City of San Diego, CWP Guidelines

PART 1 - GENERAL

1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes providing all vinyl-coated fabric wall covering and appurtenant work, complete.

1.2 RELATED SECTIONS

- A. The WORK of the following Sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.
 - 1. Section 09250 Gypsum Board
 - 2. Section 09900 Architectural Paint Finishes

1.3 CODES

- A. The WORK of this Section shall comply with the current editions of the following codes as adopted by the City of San Diego Municipal Code:
 - 1. Uniform Building Code

1.4 SPECIFICATIONS AND STANDARDS

- A. Except as otherwise indicated, the current editions of the following apply to the WORK of this Section:
 - 1. Federal Specifications:
 - CCC-W-408 Wall Covering, Vinyl-Coated
 - 2. Commercial Standards:
 - ASTM D 751 Method of Testing Coated Fabrics
 - ASTM E 84 Test Method for Surface Burning Characteristics of Building Materials

1.5 SHOP DRAWINGS AND SAMPLES

- A. The following shall be submitted in compliance with Section 01300:
 - 1. Samples: A complete sample book of manufacturer's samples shall be submitted to the CONSTRUCTION MANAGER, for color and texture selection, within [120] calendar days after Notice to Proceed. The sample book shall include all of the manufacturer's vinyl wall coverings that meet and conform to these Specifications. [The sample book will be returned to the CONTRACTOR.]

After selection by the CONSTRUCTION MANAGER, the CONTRACTOR shall submit three 5-inch by 7-inch samples of each selected color and texture.

2. Manufacturer's Information: The manufacturer's specifications and installation instructions shall be submitted.

1.6 OWNER'S MANUAL

- A. The following shall be included in the OWNER'S MANUAL in compliance with Section 01300:
 1. Certification: The CONTRACTOR shall submit to the CONSTRUCTION MANAGER a signed and dated certificate from the manufacturer stating that the CONTRACTOR or subcontractor has been approved by the manufacturer for installing the product.
 2. Maintenance Instructions: The manufacturer's printed maintenance instructions shall be submitted.

1.7 REGULATORY REQUIREMENTS

- A. The WORK of this Section, when installed, shall comply with the following:
 1. Class I, flame spread 0-25, smoke density 150, for materials installed in vertical exits.
 2. Class II, flame spread 26-75, smoke density 300, for materials installed in horizontal exits.
 3. Class III, flame spread 76-200, smoke density 450, for materials installed in any other location.

1.8 TESTING OF MATERIALS

- A. Materials shall be subject to testing to determine compliance with the Specifications. Testing will be at the OWNER'S expense unless the materials fail to meet the requirements of the Contract Documents, in which case the cost of testing and retesting shall be borne by the CONTRACTOR.

1.9 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. All materials shall be stored and handled per manufacturer's recommendations to preserve the material's new condition and characteristics. The manufacturer's packaging, seals, and labels, shall remain intact. The storage area shall be clean and dry with temperature maintained above 40 degrees F at ambient humidity. The vinyl-coated fabric shall not be stored in an upright position.
- B. Precautionary measures shall be taken with adhesives and solvents to prevent fire hazards.
- C. Where toxic materials and toxic or explosive solvents and adhesives are used, appropriate precautions and proper ventilation shall be provided.

1.10 SPECIAL WARRANTY

- A. Materials and workmanship of vinyl-coated fabric wall covering WORK shall be warranted in writing by the CONTRACTOR, installer and manufacturer for two years following final

acceptance by the OWNER. Failure of wall covering work shall be corrected by repair or replacement at the OWNER'S choice.

PART 2 - PRODUCTS

2.1 GENERAL

- A. **Manufacturer's Standards:** Wall covering products shall be in accordance with the manufacturer's published recommendations and specifications for the indicated products.

2.2 WALL COVERING

- A. **Weight:** The wall coverings shall be Type I and II vinyl-coated wall coverings meeting the requirements of Federal Specification CCC-W-408, as follows:

Type I Light-duty vinyl wall covering weighing more than 7 ounces per square yard, with vinyl coating not less than 5 ounces per square yard.

Type II Medium-duty vinyl wall covering weighing more than 13 ounces per square yard, with vinyl coating not less than 7 ounces per square yard.

- B. **Physical Tests:** The wall covering (vinyl-coated fabric) shall meet or exceed the physical test requirements of the Federal Specification CCC-W-408. The adhesion of vinyl to the fabric backing shall be a minimum of 2.0 pounds per inch for Type I and 3.0 pounds per inch for Type II when tested in accordance with ASTM D 751 test procedure.

2.3 ADHESIVE

- A. Adhesive shall comply with manufacturer's printed recommendations.

2.4 METAL TRIM

- A. Metal trim shall be dark bronze, anodized aluminum unless otherwise indicated.

2.5 MANUFACTURERS

- A. Products shall be of the following manufacture (or equal):

1. L.E. Carpenter and Company
2. General Tire
3. B.F. Goodrich
4. Sherwin-Williams

Any proposed equal manufacturer shall provide a range of selections not less than that of the listed manufacturer offering the smallest range of selections.

PART 3 - EXECUTION

3.1 GENERAL

- A. Installer shall comply with the requirements of the referenced standards.

3.2 SURFACE PREPARATION

- A. **Inspection:** Installer shall examine substrates scheduled to receive wall covering and conditions under which WORK will be performed. The CONTRACTOR shall be notified in writing of conditions detrimental to proper execution, permanence, and quality of WORK. Installer shall not proceed with WORK until unsatisfactory conditions have been corrected in an acceptable manner. Commencing WORK shall imply acceptance of existing conditions as satisfactory to successful completion of this WORK.
- B. **Substrate Moisture:** Installer shall determine moisture contents of substrate surfaces by use of an acceptable electronic moisture meter, to assure that substrate moisture content does not exceed the requirements established by the manufacturer of the wall covering material.
- C. CONTRACTOR shall schedule installation of wall covering as late as possible in the construction process, to minimize incidence of damage from other trades.
- D. **Surface Defects:** Installer shall properly prepare the substrate surfaces to determine that no joints, cracks, holes, or other irregularities will "telegraph" through the wall covering. All such imperfections shall be properly filled with an acceptable medium and sanded smooth prior to sealing.
- E. Installer shall remove switch plates, wall cover plates, and surface mounted fixtures in areas where wall covering is to be applied.
- F. Substrates shall be primed and sealed in accordance with wall covering manufacturer's recommendations for the type of substrate.

3.3 ENVIRONMENTAL REQUIREMENTS

- A. **Temperatures:** Wall coverings shall be installed only when normal temperature and humidity conditions approximate the same conditions that will exist when the building is occupied. Areas to receive all coverings shall be maintained at a minimum temperature of 65 degrees F., measured at floor level. Minimum temperature shall be maintained for at least 72 hours before, during, and 48 hours after application of wall coverings.
- B. **Lighting:** A lighting level of 150 foot-candles, minimum, shall be maintained on the surfaces to receive wall coverings.
- C. **Ventilation:** Adequate continuous ventilation shall be provided as required for the various wall coverings, sealers, and adhesives used in the spaces. In no case shall ventilation be provided in smaller quantities or for shorter durations than those recommended by the manufacturer for proper drying and during.
- D. **Acclimation:** Wall covering materials shall be removed from packaging in the area of installation not less than 24 hours before application.

3.4 INSTALLATION

- A. Installation shall be in strict accordance with the manufacturer's published directions, installation instructions, and specifications.
- B. Before cutting, the pattern and color shall be examined and a determination made that they match the approved samples. Patterned material shall be examined for repetition in design. Where repeat marks are provided, the marks shall line up. Both selvages shall be trimmed where necessary to assure pattern and color uniformity.
- C. Patterns shall be aligned and applied with butt joints. No raw edges shall be visible. The work shall be tight, smooth, and free from wrinkles, bubbles, or other blemishes.
- D. No exposed fasteners will be permitted.
- E. Material shall be trimmed with a straightedge and installed with butted seams.
- F. Adhesive shall be at normal room temperature to assure proper brushing consistency. Adhesive shall be brushed on back of material with stiff brush to fill cloth and produce a smooth surface. Material shall be applied to the wall while adhesive is tacky. Surface shall be smoothed, including seams, and excess adhesive shall be removed immediately from face of fabric with clean warm water and a clean cloth or sponge. Water shall be changed often and sponge or cloth kept free from adhesive. Adhesive at seams shall be allowed to dry before cleaning to prevent seams from opening.
- G. Each sheet shall be installed on the wall in the same sequence as it was cut from the roll, including filling of spaces above or below openings, reversing every alternate sheet of nonmatching patterns unless otherwise instructed by the manufacturer. Materials shall be applied in full widths, except where otherwise required to fit job conditions. Material shall be installed vertically full height in one piece. Vertical joints shall not occur less than 6 inches from outside corners.
- H. Where no stop occurs for vinyl fabric, trim shall be installed with adhesive. Adhesive shall be used in compliance with manufacturer's written instructions. Joints and intersections shall be accurately fitted and installed without gaps.

3.5 ADJUST AND CLEAN

- A. Installer shall replace removed plates and fixtures and shall verify that all cut edges of wall coverings are completely concealed.
- B. CONTRACTOR shall remove surplus materials, rubbish, and debris from wall covering installation upon completion of WORK, and shall leave areas of installation in a neat, clean condition.

3.6 UNSATISFACTORY WORK

- A. In the event inferior work is performed, as evidenced by mismatched or fuzzy seams, air blisters, material not fully bonded to the backing, or adhesive on face of material, the material shall be removed and replaced with new material.
- B. The new material shall provide an acceptable color and pattern match with the original material. In the event a slight mismatch should occur, the existing material shall be removed back to adjacent corners or door frames, as approved by the OWNER and the

entire wall panel recovered. In such event, the color mismatch shall not be obvious after completion.

- C. All replacement work shall be done by the CONTRACTOR at no additional cost to the OWNER.

** END OF SECTION **