

## SECTION 09950 - WALL COVERINGS

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. Section Includes:

- 1. Vinyl wall covering.

- B. Related Sections:

- 1. Division 9 Section "Interior Painting" for priming wall surfaces.
- 2. Division 9 Section "Wood Stains and Transparent Finishes" for field-applied finishes for wood-veneer wall coverings.

## 1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include data on physical characteristics, durability, fade resistance, and flame-resistance characteristics.

- B. LEED Submittals:

- 1. Certificates for Credit MR 7: Chain-of-custody certificates certifying that wood-veneer wall coverings comply with forest certification requirements. Include evidence that manufacturer is certified for chain of custody by an FSC-accredited certification body.
- 2. Product Data for Credit EQ 4.1: For adhesives, including printed statement of VOC content.
- 3. Product Data for Credit EQ 4.2: For paints and coatings, including printed statement of VOC content and chemical components.

- C. Shop Drawings: Show location and extent of each wall-covering type. Indicate pattern placement, seams and termination points.

- D. Samples for Initial Selection: For each type of wall covering indicated.

- E. Samples for Verification: Full width by 36-inch- (914-mm-) long section of wall covering.

- 1. Sample from same print run or dye lot to be used for the Work, with specified paint applied. Mark top and face of fabric.
- 2. Sample from same flitch to be used for the Work, with specified finish applied.

- F. Product Schedule: For wall coverings. Use same designations indicated on Drawings.

- G. Qualification Data: For qualified testing agency.

- H. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for wall covering.
- I. Maintenance Data: For wall coverings to include in maintenance manuals.

#### 1.4 QUALITY ASSURANCE

- A. Forest Certification: Fabricate products with wood veneer produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."
- B. Fire-Test-Response Characteristics: As determined by testing identical wall coverings applied with identical adhesives to substrates according to test method indicated below by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
  - 1. Surface-Burning Characteristics: As follows, per ASTM E 84:
    - a. Flame-Spread Index: 25 or less.
    - b. Smoke-Developed Index: 450 or less.
  - 2. Fire-Growth Contribution: Textile wall coverings complying with acceptance criteria of UBC Standard 8-2.
  - 3. Fire-Growth Contribution: Textile wall coverings tested according to NFPA 265 NFPA 286 and complying with test protocol and criteria in the 2003 IBC.

#### 1.5 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install wall coverings until spaces are enclosed and weathertight, wet work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.
- B. Lighting: Do not install wall covering until a permanent level of lighting is provided on the surfaces to receive wall covering.
- C. Ventilation: Provide continuous ventilation during installation and for not less than the time recommended by wall-covering manufacturer for full drying or curing.

#### 1.6 EXTRA MATERIALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Wall-Covering Materials: For each type, full-size units equal to 5 percent of amount installed.

### PART 2 - PRODUCTS

#### 2.1 WALL COVERINGS

- A. General: Provide rolls of each type of wall covering from same print run or dye lot.

## 2.2 VINYL WALL COVERING

- A. Vinyl Wall-Covering Standards: Provide[ mildew-resistant] products complying with the following:
1. FS CCC-W-408D and CFFA-W-101-D for Type I, Light Type II, Medium Type III, Heavy-Duty products.
  2. ASTM F 793 for peelable strippable wall coverings that qualify as Category II, Decorative with Medium Serviceability products.
  3. Products: Subject to compliance with requirements, provide the following:
    - a. MDC Wallcovering
    - b. Wolf Gordon
    - c. Knoll Textiles
    - d. Tassoglass
- B. Total Weight Excluding Coatings: 20 oz/ LY min..
- C. Width: 54 inches (1372 mm).
- D. Backing: Scrim, Osnaburg, or fabric, as standard with manufacturer.
- E. Repeat: Random See Editing Instruction No.1 in the Evaluations for cautions about naming manufacturers and products. First paragraph below is optional coating and may limit selection. Verify, with manufacturer, availability of stain-resistant coating. Other coatings may not be as effective as DuPont's Tedlar, but they can significantly improve stain resistance of a wall covering for substantially less expense.
- F. Stain-Resistant Coating: as standard with manufacturer.
- G. Colors, Textures, and Patterns: As selected in the drawings.

## 2.3 ACCESSORIES

- A. Adhesive: Mildew-resistant, nonstaining, strippable adhesive, for use with specific wall covering and substrate application; as recommended in writing by wall-covering manufacturer and with a VOC content of 50 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- B. Primer/Sealer: Mildew resistant, complying with requirements in Division 9 Section for "Interior Painting" and recommended in writing by wall-covering manufacturer for intended substrate.
- C. Wall Liner: Nonwoven, synthetic underlayment and adhesive as recommended by wall-covering manufacturer.
- D. Seam Tape: As recommended in writing by wall-covering manufacturer.
- E. Metal Primer: Interior ferrous metal primer complying with Division 9 Section for "Interior Painting."

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for levelness, wall plumbness, maximum moisture content, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Clean substrates of substances that could impair bond of wall covering, including dirt, oil, grease, mold, mildew, and incompatible primers.
- C. Prepare substrates to achieve a smooth, dry, clean, structurally sound surface free of flaking, unsound coatings, cracks, and defects.
  1. Metals: If not factory primed, clean and apply metal as recommended in writing by primer/sealer manufacturer and wall-covering manufacturer.
  2. Gypsum Board: Prime with primer as recommended in writing by primer/sealer manufacturer and wall-covering manufacturer.
  3. Painted Surfaces: Treat areas susceptible to pigment bleeding.
- D. Check painted surfaces for pigment bleeding. Sand gloss, semigloss, and eggshell finish with fine sandpaper.
- E. Remove hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.
- F. Acclimatize wall-covering materials by removing them from packaging in the installation areas not less than 24 hours before installation.
- G. Install wall liner, with no gaps or overlaps, where required by wall-covering manufacturer. Form smooth wrinkle-free surface for finished installation. Do not begin wall-covering installation until wall liner has dried.

### 3.3 INSTALLATION

- A. General: Comply with wall-covering manufacturers' written installation instructions applicable to products and applications indicated except where more stringent requirements apply.
- B. Cut wall-covering strips in roll number sequence. Change roll numbers at partition breaks and corners.
- C. Install strips in same order as cut from roll.
- D. Install reversing every other strip.
- E. Install wall covering with no gaps or overlaps, no lifted or curling edges, and no visible shrinkage.
- F. Match pattern 72 inches (1830 mm) above the finish floor.
- G. Install seams vertical and plumb at least 6 inches (150 mm) from outside corners and 6 inches (150 mm) from inside corners unless a change of pattern or color exists at corner. No horizontal seams are permitted.
- H. Fully bond wall covering to substrate. Remove air bubbles, wrinkles, blisters, and other defects.

- I. Trim edges and seams for color uniformity, pattern match, and tight closure. Butt seams without any overlay or spacing between strips.

#### 3.4 CLEANING

- A. Remove excess adhesive at finished seams, perimeter edges, and adjacent surfaces.
- B. Use cleaning methods recommended in writing by wall-covering manufacturer.
- C. Replace strips that cannot be cleaned.
- D. Reinstall hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.

END OF SECTION 09720

