

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. This Section includes the following:
 - 1. Vinyl wall covering.
- B. Related Sections: The following Sections contain requirements that relate to this Section:
 - 1. Division 9 Section "Painting" for primers, coatings, and paint for woven glass-fiber wall coverings.
 - 2. Division 9 Section "Painting" for priming wall surfaces.

1.3 SUBMITTALS

- A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product Data for each type of product specified. Include data on physical characteristics, durability, fade resistance, and flame-resistance characteristics.
- C. Shop Drawings showing location and extent of each wall covering type. Indicate seams and termination points.
- D. Samples for initial selection in the form of manufacturer's color charts consisting of actual units or sections of units showing the full range of colors, textures, and patterns available.
- E. Samples for verification in sets for each color, texture, and pattern specified, showing the full range of variations expected in these characteristics.
 - 1. Wall Covering Material: Full-width sample, not less than **36 inches (914 mm)** long, from dye lot used for the Work.
 - a. Submit sample with specified treatments applied.
 - b. Mark top and face of material.
 - c. Show complete pattern repeat.
 - 2. Woven Glass-Fiber Wall Covering Material: Full-width sample, not less than **36 inches (914 mm)** long with specified paint applied.

- F. Schedule of wall coverings using same room designations indicated on Drawings.
- G. Product certificates signed by manufacturers of wall coverings certifying that their products comply with specified requirements.
- H. Maintenance data for wall covering to include in the operation and maintenance manual specified in Division 1.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer who has completed 5 projects similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance.
- B. Fire-Test-Response Characteristics: Provide wall coverings with the following surface-burning characteristics as determined by testing identical products per ASTM E 84 by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.
 - 1. Flame Spread: 25 or less.
 - 2. Smoke Developed: 450 or less.
- C. Mockups: Prior to installing wall covering, construct mockups for each form of construction and finish required to verify selections made under Sample submittals and to demonstrate aesthetic effects as well as qualities of materials and execution. Build mockups to comply with the following requirements, using materials indicated for final unit of Work.
 - 1. Locate mockups on-site in the location and of the size indicated or, if not indicated, as directed by Architect.
 - 2. Notify Architect 7 days in advance of the dates and times when mockups will be constructed.
 - 3. Demonstrate the proposed range of aesthetic effects and workmanship.
 - 4. Obtain Architect's approval of mockups before start of final unit of Work.
 - 5. Retain and maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
 - a. When directed, demolish and remove mockups from Project site.
 - b. Approved mockups in an undisturbed condition at the time of Substantial Completion may become part of the completed Work.

1.5 PROJECT CONDITIONS

- A. Space Enclosure and Environmental Limitations: Do not install wall covering until space is enclosed and weatherproof, wet-work in space is completed and nominally dry, work above ceilings is complete, and ambient temperature and humidity conditions are and will be continuously maintained at values near those indicated for final occupancy.
- B. Lighting: Do not install wall covering until a lighting level of not less than 15 foot-candles (160 lux) 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 the wall covering manufacturer for full drying or curing.

1.6 EXTRA MATERIALS

- A. Furnish extra materials described below, before installation begins, that match products installed, are packaged with protective covering for storage, and are identified with labels describing contents.
 - 1. Rolls of Wall Covering Material: Full-size units equal to 5 percent of amount of each type installed.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Products: Subject to compliance with requirements, wall coverings that may be incorporated into the Work include, but are not limited to, the products specified in each wall covering Product Data sheet at end of this Section.
- B. Products: Subject to compliance with requirements, provide one of the products specified in each wall covering Product Data sheet at end of this Section.

2.2 ADHESIVES

- A. General: Mildew-resistant, nonstaining adhesive, for use with specific wood-veneer wall covering and substrate application, as recommended by wall covering manufacturer.

2.3 ACCESSORIES

- A. Wall Liner: Nonwoven, synthetic underlayment and adhesive as recommended by wall covering manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for moisture content and other conditions affecting performance of Work of this Section. Do not proceed with installation until 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 wall covering's bond, including mold, mildew, oil, grease, incompatible primers, and dirt.
- C. Prepare substrates to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, and defects.
 - 1. Painted Surfaces: Treat areas susceptible to pigment bleeding.
 - 2. Metals: If not factory primed, clean and apply rust-inhibitive zinc primer.
 - 3. Moisture Content: Maximum of 5 percent on new plaster, concrete, and concrete masonry units when tested with an electronic moisture meter.
 - 4. Prime new gypsum board with primer recommended by wall covering manufacturer.
 - 5. Allow new plaster to cure. Treat areas of high alkalinity.
- D. Check painted surfaces for pigment bleeding. Sand gloss, semigloss, and eggshell finishes with fine sandpaper.
- E. 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.
- F. Acclimatize wall covering materials by removing them from packaging in the installation areas not less than 24 hours before installation.

3.3 INSTALLATION, GENERAL

- A. General: Comply with wall coverings manufacturers' written installation instructions applicable to products and applications indicated, except where more stringent requirements apply.
- B. Cut wall covering panels in roll number sequence. Change run numbers at partition breaks and corners only.
- C. Install wall covering with no gaps or overlaps.
- D. Match pattern **72 inches (1830 mm)** above finish floor.
- E. Install seams vertical and plumb at least **6 inches (150 mm)** from outside corners and **3 inches (75 mm)** from inside corners. No horizontal seams.
- F. Remove air bubbles, wrinkles, blisters, and other defects.
- G. Trim edges for color uniformity, pattern match, and tight closure at seams and edges. Butt seams.

3.4 CLEANING

- A. Remove excess adhesive at finished seams, perimeter edges, and adjacent surfaces.
- B. Use cleaning methods recommended by wall covering manufacturer.
- C. Replace strips that cannot be cleaned.

3.5 VINYL WALL COVERING PRODUCT DATA SHEET

- A. Acrovyn, 10'x4', a29 Yale Blue, pebblette texture .04 thickness, plus accessories as required.
NO SUBSTITUTIONS
- B. Contact Information: Metro Arch Sales Co.
55 Cole Pkwy
Scituate MA
781-545-8100
dmetcalf@metroarch.com

3.6 WOVEN GLASS-FIBER WALL COVERING PRODUCT DATA SHEET

- A. Not Used

3.7 TEXTILE WALL COVERING PRODUCT DATA SHEET

- A. Not Used

3.8 WALLPAPER PRODUCT DATA SHEET

- A. Not Used

END OF SECTION 09950