

SECTION 10 26 23

PROTECTIVE WALL COVERINGS

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Protective wall coverings.
- B. Related Sections:
 - 1. Section 09 22 00 - Supports for Plaster and Gypsum Board.

1.02 REFERENCE STANDARDS

- A. ASTM International:
 - 1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. [South Coast Air Quality Management District]:
 - 1. SCAQMD Rule #1168 - Adhesive and Sealant Applications.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate as required with installation of related work.
- B. [Preinstallation Meeting:]
- C. [Sequencing:]
- D. Scheduling: Schedule installation of items to occur after application of exposed finishes wherever installation will not damage exposed finish surfaces and completion of finishes will not impede installation.

1.04 [SUSTAINABLE CHARACTERISTICS]

- A. Section 01 35 63 - Sustainability Project Requirements: Requirements for sustainable design compliance.
- B. Materials and Resources Characteristics:
 - 1. [Recycled Content Materials: Furnish materials with maximum available recycled content including:
SPEC NOTE *List materials specified in this section required to have recycled content.*
 - a. [_____].
 - 2. [Regional Materials: Furnish materials extracted, processed, and manufactured within 500 miles of Project site.]
SPEC NOTE *List materials specified in this section required to be regional materials.*
 - a. [_____].
 - 3. Certified Wood Materials: [Furnish wood materials]--or--[Use a minimum of 50 percent of wood-based materials and products] certified in accordance with FSC Guidelines.
- C. Indoor Environmental Quality Characteristics:

1. [Interior] Adhesives: Maximum volatile organic compound content in accordance with SCAQMD Rule 1168.

1.05 SUBMITTALS

- A. See Section 01 33 00 - Submittal Procedures, for submittal procedures.
- B. Product Data: Indicate physical dimensions, features, anchorage details, and rough-in measurements.
- C. Samples: Submit four sections of protective wall covering, 12 inch long, illustrating component design, configuration, color and finish.
- D. Manufacturer's Instructions: Indicate special procedures, perimeter conditions requiring special attention.

1.06 [LEED SUBMITTALS]

- A. Section 01 81 13 - LEED Requirements: Requirements for LEED design submittals.
- B. IEQ Credit 4.1: Low-Emitting Materials: Adhesives & Sealants:
 1. Provide product data for adhesives, sealants, sealants primer and aerosol adhesives used in the interior of the building highlighting VOC content of each product used. Adhesives and sealants must meet or exceed the VOC limits of SCAQMD Rule #1168 (see LEED reference package V 3 for information).
 2. Provide a listing of each indoor adhesive, sealant, sealant primer and aerosol adhesive product used in the interior of the project. Include manufacture's name, product name, specific VOC data (g/L less water) for each product, and the corresponding allowable VOC from the referenced standard.]

1.07 [SUSTAINABLE DESIGN SUBMITTALS]

- A. Section 01 35 63 - Sustainability Project Requirements: Requirements for sustainable design submittals.
- B. Manufacturer's Certificate: Certify products meet or exceed specified sustainable design requirements.
 1. Materials Resources Certificates:
 - a. Certify source and origin for [salvaged] [and] [reused] products.
 - b. Certify recycled material content for recycled content products.
 - c. Certify source for regional materials and distance from Project site.
 2. Indoor Air Quality Certificates:
 - a. Certify volatile organic compound content for each interior adhesive and related primer.
 - 1) Provide product data for adhesives, primers and aerosol adhesives used in the interior of the building highlighting VOC content of each product used. Adhesives and sealants must meet or exceed the VOC limits of SCAQMD Rule #1168. Refer to the LEED 2009 for New Construction and Major Renovations for acceptable VOC limits
 - 2) Provide a listing of each indoor adhesive, primers, and aerosol adhesive product used in the interior of the project. Include manufacture's name, product name, specific VOC data (g/L less water) for each product, and the corresponding allowable VOC from the referenced standard.

- C. Product Cost Data: Submit cost of products to verify compliance with Project sustainable design requirements. Exclude cost of labor and equipment to install products.
 - 1. Provide cost data for the following products:
 - a. [Salvage products.]
 - b. [Reused products.]
 - c. Products with recycled material content.
 - d. Regional products.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle packaged materials in original containers with seals unbroken and labels intact until time of use.
- B. Store delivered products in clean, safe, dry area.

1.09 SITE CONDITIONS

- A. Temperature: Maintain areas to receive protective wall covering at reasonably constant temperature of not less than 50 degrees Fahrenheit for at least three days before and during application period.

PART 2 PRODUCTS

2.01 PROTECTIVE WALL COVERINGS

- A. Description:
 - 1. Material: PVC free high impact vinyl.
 - 2. Surface Burning Characteristics: Provide assemblies with flame spread index of 25 or less and smoke developed index of 50, when tested in accordance with ASTM E84.
 - 3. Wall Thickness: 0.040 inch.
 - 4. Sheet Size: Four by ten feet.
 - 5. Mounting: Surface, flush, smooth to wall.
 - 6. Corner: Beveled.
 - 7. Length: One piece.
- B. Product: Construction Specialties, Inc.'s "C/S Acrovyn 4000, 040" Rigid Sheet"; or equal.
- C. Color:
 - 1. WP-1: Construction Specialties, Inc.'s "Parchment".
 - 2. WP-2: Construction Specialties, Inc.'s "[]".

2.02 ACCESSORIES

- A. Adhesive for Protective Wall Covering: Adhesive to meet following requirements.
 - 1. Solvent-free, water-resistant, mildew-resistant, non-flammable, low odor adhesive to suit protective wall covering and substrate conditions indicated.
 - 2. Meet or exceed VOC limits for adhesives and sealants. Adhesives must meet or exceed the VOC limits of SCAQMD Rule #1168 by, and all sealants used as filler must meet or exceed Bay Area Air Quality Management District Reg. 8, Rule 51.
 - 3. Type used in test to determine flame spread rating.
 - 4. Recommended by protective wall covering manufacturer.

2.03 FABRICATION

- A. Pre-drill holes for attachment.
- B. Form end trim closure by capping and finishing smooth.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine areas to receive items and verify that:
 - 1. Dimensions are correct to receive items.
 - 2. Surfaces to receive protective wall covering meet minimum requirements established by protective wall covering manufacture
 - 3. Adjacent or adjoining surfaces are clean, dry, reasonably smooth, and free from defects.
 - 4. Rough-in for components are correctly sized and located.
 - 5. Absence of other conditions that will adversely affect installation.
- B. Do not start installation until unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Remove hardware, accessories, plates, and similar items prior to installing protective wall covering. Upon completion of each space, replace above items.

3.03 INSTALLATION

- A. Install protective wall covering in accordance with approved manufacturer's recommended procedures.
- B. Cement protective wall covering directly to wall.
- C. Vertical Joints: Assure vertical alignment and plumbness. Achieve invisible butt seams except upon closest inspection.
- D. Horizontal seams in wall protective covering will not be permitted.
- E. Corner Treatment: Install manufacturer's standard corner molding as indicated.
- F. Remove excess adhesive immediately from surface of protective wall covering as each joint or seam is made and before proceeding to next joint or seam.
- G. Assure installation of protective wall covering is secure, smooth, and clean, without wrinkles, bubbles, gaps, overlaps, or edges not adhered to backing surface.

3.04 ERECTION TOLERANCES

- A. Maximum Variation From Required Height: 1/4 inch.
- B. Maximum Variation From Level or Plane For Visible Length: 1/4 inch.

3.05 PROTECTION

- A. Protect work from damage to surface, profile, and shape.
- B. Completely remove protective items prior to University's final acceptance.

- C. Replace damaged items.

END OF SECTION