

**Part 1 GENERAL**

**1.1 RELATED REQUIREMENTS**

- .1 Section 09 21 16 - Gypsum Board Assemblies.

**1.2 REFERENCE STANDARDS**

- .1 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
  - .1 Material Safety Data Sheets (MSDS).
- .2 South Coast Air Quality Management District (SCAQMD), California State
  - .1 SCAQMD Rule 1168-05, Adhesives and Sealants Applications.
- .3 Underwriters Laboratories of Canada (ULC)
  - .1 CAN/ULC-S102-03, Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

**1.3 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Provide submittals in accordance with Division 1 Submittal Procedures.
  - .1 Provide product data in accordance with Division 1 Submittal Procedures.
  - .2 Submit WHMIS MSDS - Material Safety Data Sheets in accordance with Section 02 81 01 - Hazardous Materials. WHMIS MSDS acceptable to Labour Canada and Health and Welfare Canada for wall coverings. Indicate VOC content.
  - .3 Submit complete written description, including total fabric weight, name of fabric backing, tensile strength, tear strength and fire rating characteristics.
- .2 Provide samples in accordance with Division 1 Submittal Procedures.
  - .1 Submit duplicate 280 x 215mm samples of colours and textures of wall coverings.
- .3 Closeout Submittals: Provide maintenance data for vinyl-coated fabric wall covering in accordance with Division 1 Closeout Submittals.

**1.4 QUALITY ASSURANCE**

- .1 Field Sample:
  - .1 Before commencing application, prepare wall and apply samples of wall covering from current production run of materials selected to show evidence there are no roller marks or other imperfections which may occur during manufacturing process of wall covering to three full wall panels, for Departmental Representative's and Consultant's approval.
  - .2 Construct mock-ups in accordance with Division 1.
    - .1 Apply wall covering of each finish to 10 m<sup>2</sup> area of surface to be covered. Approximately three full wall panels.
    - .2 Allow 24 hours for inspection of mock-up by Departmental Representative and Consultant before proceeding with wall covering work.
    - .3 When accepted, mock-up will demonstrate minimum standard for this work. Mock-up may remain as part of finished work.

**1.5 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, store and handle materials in accordance with Division 1.
- .2 Waste Management and Disposal: Separate waste materials for reuse and recycling in accordance with Division 1 Waste Management and Disposal.

**1.6 AMBIENT CONDITIONS**

- .1 Temperature: maintain air temperature and structural base temperature at wall covering installation area above 20 C° and relative humidity below 40% for 72 hours before, during and 72 hours after installation.
- .2 Ventilation:
  - .1 Ventilate enclosed spaces in accordance with Division 1.
  - .2 Provide continuous ventilation during and after coating application.
- .3 Departmental Representative will arrange for ventilation system to be operated on maximum outdoor air and exhaust during installation of wall covering.

**1.7 MAINTENANCE**

- .1 Extra Materials:
  - .1 Provide extra materials of wall covering, adhesives and cleaners in accordance with Division 1.
  - .2 Provide 10m<sup>2</sup> of full width material of each pattern, texture and colour of vinyl-coated fabric wall covering.
  - .3 Provide sufficient adhesive to install extra material vinyl-coated fabric wall covering provided.
  - .4 Extra materials from same production run/and or dye lot as installed materials.
  - .5 Identify rolls of wall coverings and containers of adhesives.
  - .6 Deliver and store where directed by Departmental Representative, upon completion of work of this section.

**Part 2 PRODUCTS**

**2.1 MATERIALS**

- .1 Wall covering:
  - .1 Width: 915mm
  - .2 Bolt size: 11 meters
  - .3 Colour: Tailored Linen, sable
  - .4 Acceptable product: Phillip Jeffries, or preapproved equivalent.
- .2 Adhesive: adhesive, as recommended by covering manufacturer. Adhesives: maximum VOC limit 50 g/L to SCAQMD Rule 1168.

**Part 3 EXECUTION**

**3.1 MANUFACTURER'S INSTRUCTIONS**

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

**3.2 PREPARATION**

- .1 Unwrap wall covering when ventilation conditions are accelerated. Allow 24 hours acclimation in installation before application.
- .2 Prepare surfaces according to covering manufacturer's instructions.
- .3 Work penetrating substrate to be completed before installing covering.
- .4 Prepare surfaces to receive covering.

**3.3 INSTALLATION**

- .1 Installation sequence:
  - .1 Use rolls in consecutive numerical sequence of manufacture.
  - .2 Place panels consecutively in exact order they are cut from roll; including spaces above or below windows, doors or similar penetrations.
  - .3 Reverse alternate strips except on match patterns.
- .2 Trim additional salvage where required to achieve colour and pattern match at seams.
- .3 Apply adhesive to substrate as recommended by manufacturer.
- .4 Hang non-matched patterns by overlapping edges and double cutting through both thicknesses with metal back-up strip to prevent cutting substrate.
- .5 Wrap fabric 150 mm beyond inside and outside corners. No cutting at corners permitted, unless pattern or colour changes.
- .6 No horizontal seams permitted.
- .7 Install covering before installation of plumbing fixtures and cabinets.
- .8 Remove excess adhesive along finished seams immediately after strips of wall covering is applied. As work progresses ensure clean warm water is used for final rinsing of wall covering and leave clean.
- .9 Leave completed work smooth, clean, without wrinkles, gaps, overlaps or air pockets.

**3.4 CLEANING**

- .1 Proceed in accordance with Division 1 Cleaning.
- .2 Clean surfaces to covering manufacturer's written instructions.

**3.5 PROTECTION**

- .1 Protect finished surfaces and exterior corners from damage until final inspection.

**END OF SECTION**