

## **PART 1**      **GENERAL**

### **1.1**      **RELATED SECTIONS**

- .1      Section 01 33 00 – Submittal Procedures.
- .2      Section 01 74 21 – Construction/Demolition Waste Management and Disposal.
- .3      Section 03 30 00 – Cast-in-Place Concrete.

### **1.2**      **REFERENCES**

- .1      Canadian General Standards Board (CGSB)
  - .1      CAN/CGSB-51.34-M86, Vapour Barrier, Polyethylene Sheet, for Use in Building Construction.

### **1.3**      **SUBMITTALS**

- .1      Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2      Product Data:
  - .1      Submit manufacturer's printed product literature, specifications and datasheet and include:
    - .1      Product characteristics.
    - .2      Performance criteria.
    - .3      Limitations.
  - .3      Submit two copies of Workplace Hazardous Materials Information System (WHMIS) Material Safety Data Sheets (MSDS).

### **1.4**      **QUALITY ASSURANCE**

- .1      Health and Safety Requirements: do construction occupational health and safety in accordance with Section 01 35 29. - Health and Safety Requirements.

### **1.5**      **DELIVERY, STORAGE AND HANDLING**

- .1      Waste Management and Disposal:
    - .1      Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
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**PART 2**      **PRODUCTS**

**2.1**      **SHEET VAPOUR BARRIER**

- .1      Polyethylene film: to CAN/CGSB-51.34, 0.10 mm thick.

**2.2**      **ACCESSORIES**

- .1      Joint sealing tape: air resistant pressure sensitive adhesive tape, type recommended by vapour barrier manufacturer, 50 mm wide for lap joints and perimeter seals, 25 mm wide elsewhere.
- .2      Sealant: compatible with vapour retarder materials, recommended by vapour retarder manufacturer. To Section 07 92 00 - Joint Sealing.
- .3      Staples: minimum 6 mm leg.

**PART 3**      **EXECUTION**

**3.1**      **INSTALLATION**

- .1      Ensure services are installed and inspected prior to installation of retarder.
- .2      Use sheets of largest practical size to minimize joints.
- .3      Inspect for continuity. Repair punctures and tears with sealing tape before work is concealed.

**3.2**      **EXTERIOR SURFACE OPENINGS**

- .1      Cut sheet vapour retarder to form openings and ensure material is lapped and sealed to frame.

**3.3**      **PERIMETER SEALS**

- .1      Seal perimeter of sheet vapour barrier as follows:
    - .1      Apply continuous bead of sealant to substrate at perimeter of sheets.
    - .2      Lap sheet over sealant and press into sealant bead.
    - .3      Install staples through lapped sheets at sealant bead into wood substrate.
    - .4      Ensure that no gaps exist in sealant bead. Smooth out folds and ripples occurring in sheet over sealant.
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### **3.4    LAP JOINT SEALS**

- .1    Seal lap joints of sheet vapour barrier as follows:
  - .1    Attach first sheet to substrate.
  - .2    Apply continuous bead of sealant over solid backing at joint.
  - .3    Lap adjoining sheet minimum 150 mm and press into sealant bead.
  - .4    Install staples through lapped sheets at sealant bead into wood substrate.
  - .5    Ensure that no gaps exist in sealant bead. Smooth out folds and ripples occurring in sheet over sealant.

### **3.5    CLEANING**

- .1    Proceed in accordance with Section 01 74 11 - Cleaning.
- .2    Upon completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.