

**Part 1            General**

**1.1                RELATED SECTIONS**

- .1        Section 01 33 00 – Submittal Procedures
- .2        Section 01 74 19 – Construction/Demolition Waste Management and Disposal
- .3        Section 07 21 13 – Board Insulation
- .4        Section 07 21 19 – Foamed-in-Place Insulation
- .5        Division 23: Insulation for mechanical work.

**1.2                REFERENCE**

- .1        Underwriters Laboratories of Canada (ULC):
  - .1        CAN/ULC-S702-09 – Standard for Mineral Fibre Insulation

**1.3                SUBMITTALS**

- .1        Product Data:
  - .1        Submit manufacturer's printed product literature, specifications and data sheets in accordance with Section 01 33 00.
- .2        Manufacturer's Instructions:
  - .1        Submit manufacturer's installation instructions.

**1.4                QUALITY ASSURANCE**

- .1        Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.
- .2        Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.
- .3        Pre-installation Meetings: conduct pre-installation meeting to verify project requirements, manufacturer's installation instructions and manufacturer's warranty requirements.

**1.5                WASTE MANAGEMENT AND DISPOSAL**

- .1        Separate and recycle waste materials in accordance with Section 01 74 19.
- .2        Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3        Collect and separate for disposal paper, plastic, corrugated cardboard, and other packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.

## **Part 2 Products**

### **2.1 MATERIALS**

- .1 Thermal insulation: to CAN/ULC S702; preformed mineral wool or glass fiber type; friction fit without facing; acceptable products:
  - .1 Flexibatt manufactured by Roxul Inc.
  - .2 Standard Frame manufactured by Johns Manville Canada Inc.
  - .3 Fiberglas Pink manufactured by Owens Corning Canada Inc.
- .2 Acoustic insulation: to CAN/ULC S702; preformed mineral wool or glass fiber type; friction fit without facing; acceptable products:
  - .1 Safe'n'Sound manufactured by Roxul Inc.
  - .2 Standard Frame manufactured by Johns Manville Canada Inc.
  - .3 QuiteZone manufactured by Owens Corning Canada Inc.
- .3 Insulation clips: impale type, perforated 50 x 50 mm cold rolled carbon steel 0.8 mm thick; adhesive back; spindle of 2.5 mm diameter annealed steel; length to suit insulation; with 25 mm diameter self locking type washers.

## **Part 3 Execution**

### **3.1 MANUFACTURER'S INSTRUCTIONS**

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

### **3.2 INSULATION INSTALLATION**

- .1 Install insulation to maintain continuity of thermal protection to building elements and spaces.
- .2 Retain insulation that is placed vertically in position with insulation clips installed as recommended by manufacturer.
- .3 Fit insulation closely around electrical boxes, pipes, ducts, frames and other objects in or passing through insulation.
- .4 Cut and trim insulation neatly to fit spaces. Butt insulation tightly at joints. Offset joints where possible. Use pieces of largest possible size to reduce joints.
- .5 Do not compress insulation to fit into spaces.
- .6 Do not enclose insulation until it has been reviewed and approved by Departmental Representative.

**3.3 CLEANING**

- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

**END OF SECTION**