

**Part 1 General**

**1.1 REFERENCES**

- .1 Underwriters Laboratories of Canada (ULC)
  - .1 CAN/ULC-S701-11, Standard for Thermal Insulation, Polystyrene, Boards and Pipe Coverings.
  - .2 CAN/ULC-S704-11, Standard for Thermal Insulation Polyurethane and Polyisocyanurate, Boards, Faced.

**1.2 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Product Data: Submit manufacturer's printed product literature, specifications and data sheet.
- .2 Submit manufacturer's installation instructions.

**1.3 QUALITY ASSURANCE**

- .1 Convene pre-installation meeting one week prior to beginning work of this Section on-site installations.
  - .1 Verify project requirements.
  - .2 Review installation and substrate conditions.
  - .3 Co-ordinate with other building subtrades.
  - .4 Review manufacturer's installation instructions and warranty requirements.

**Part 2 Products**

**2.1 ROOF INSULATION**

- .1 Rigid Cellular Polyisocyanurate:
  - .1 Faced: to CAN/ULC-S704.
    - .1 Polyisocyanurate core
    - .2 Surfaces: reflective foil facer.
    - .3 Shape: flat.
    - .4 Thickness: as indicated

**2.2 ACCESSORIES**

- .1 Tape/adhesive: as recommend by manufacturer.
- .3 Fasteners: as recommended by manufacturer.

**Supplemental Architectural Specifications**

City of Winnipeg  
Water and Wastet  
Department

BOARD INSULATION

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**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 WORKMANSHIP**

- .1 Install insulation after building substrate materials are dry.
- .2 Install insulation to maintain continuity of thermal protection to building elements and spaces.
- .3 Cut and trim insulation neatly to fit spaces. Butt joints tightly, offset vertical joints. Use only insulation boards free from chipped or broken edges. Use largest possible dimensions to reduce number of joints.
- .4 Do not enclose insulation until it has been inspected and approved by Contract Administrator.

**3.3 EXAMINATION**

- .1 Examine substrates and immediately inform Contract Administrator in writing of defects.
- .2 Prior to commencement of work ensure: Substrates are firm, straight, smooth, dry, free of snow, ice or frost, and clean of dust and debris.

**3.4 INSULATION INSTALLATION**

- .1 Place boards in parallel rows with ends staggered, and in firm contact with one another.
- .2 Cut end pieces to suit.
- .3 Leave insulation board joints unbonded over line of expansion and control joints. Bond a continuous 6' wide 0.15 mm modified bituminous membrane over expansion and control joints using compatible adhesive and primer before application of insulation.

**3.5 CLEANING**

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

**END OF SECTION**