

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 General Requirement Division 1

1.2 REFERENCES

- .1 American Society for Testing and Materials International (ASTM)  
1. ASTM E 96/E96M-05, Standard Test Methods for Water Vapour Transmission of Materials.
- .2 Canadian General Standards Board (CGSB)  
1. CGSB 71-GP-24M-77(R1983), Adhesive, Flexible, for Bonding Cellular polystyrene Insulation.
- .3 Underwriters Laboratories of Canada (ULC)  
1. CAN/ULC-S701-05, Standard for Thermal Insulation, Polystyrene, Boards and Pipe Coverings.
- .4 Health Canada/Workplace Hazardous Materials Information System (WHMIS)  
1. Material Safety Data Sheets (MSDS).

1.3 SUBMITTALS

- .1 Product Data:  
1. Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.  
2. Submit two copies of WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures. Indicate VOC's insulation products and adhesives.
- .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.

PART 2 - PRODUCTS

2.1 INSULATION

- .1 Extruded polyisocyanurate to CAN/ULC-S701.
  - 1. Type: 4.
  - 2. Thickness: varies
  - 3. Size: 600 x 1200 mm.
  - 4. Edges: square.

2.2 ADHESIVE

- .1 Adhesive (for polyisocyanurate): to CGSB 71-GP-24.
  - 1. Type: as recommended by manufacturer.

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 Fit insulation tight around electrical boxes, plumbing and heating pipes and ducts, around exterior doors and windows and other protrusions.
- .4 Keep insulation minimum 75 mm from heat emitting devices such as recessed light fixtures.
- .5 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.
- .6 Offset both vertical and horizontal joints in

multiple layer applications.

- .7 Do not enclose insulation until it has been inspected and approved by Department Representative.

3.3 EXAMINATION

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

3.4 CLEANING

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

END OF SECTION