

Part 1 General

1.1 RELATED REQUIREMENTS

- .1 Section 09 21 99 – Partitions for minor works

1.2 REFERENCE STANDARDS

- .1 ASTM International
 - .1 ASTM C553-02, Standard Specification for Mineral Fibre Blanket Thermal Insulation for Commercial and Industrial Applications.
 - .2 ASTM C665-01e1, Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
 - .3 ASTM C1320-05, Standard Practice for Installation of Mineral Fiber Batt and Blanket Thermal Insulation for Light Frame Construction.
- .2 Canadian Gas Association (CGA)
 - .1 CAN/CGA B149.1-F05, Natural Gas & Propane Code
 - .2 CAN/CGA B149.2-F05, Propane Storage and Handling Code
- .3 CSA Group
 - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.

1.3 DOCUMENTS/SAMPLE SUBMITTALS FOR APPROVAL/INFORMATION

- .1 Data Sheets
 - .1 Submit product data sheets, specifications and manufacturer's product literature in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Manufacturer's instructions
 - .1 Submit installation instructions provided by the manufacturer.

1.4 QUALITY ASSURANCE

- .1 Test Reports: submit test reports certifying that products, materials and equipment meet the requirements for physical characteristics and performance criteria.
- .2 Certificates: submit documents signed by the manufacturer, certifying that products, materials and equipment meet the requirements for physical characteristics and performance criteria.
- .3 Health and safety: take the necessary health and safety measures in accordance with section 01 35 29.06 - Health and Safety

Part 2 Products

2.1 INSULATION

- .1 Batt and blanket mineral fibre: to CAN/ULC-S702, ASTM C553, ASTM C665.

- .1 Type: 1
- .2 Thickness: as indicated on architectural plans
- .3 Inorganic insulation made of fiberglass preformed mattress, incombustible, resistant to mold and made more than 70% recycled materials.
- .4 Thermal resistance: R-12 factor (RSI 2.10)

2.2 ACCESSORIES

- .1 Insulation clips:
 - .1 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, 25 mm diameter washers of self locking type.
- .2 Nails: galvanized steel, length to suit insulation plus 25 mm, to CSA B111.
- .3 Staples: 12 mm minimum leg.
- .4 Tape: as recommended by manufacturer.

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: Comply with manufacturer's written requirements, recommendations and specifications, including technical bulletins and installation instructions specified in product catalogs and packaging cartons, as well as data sheet specifications.

3.2 INSTALLATION OF THE INSULATION

- .1 Carefully adjust insulation on items to be covered and around electrical boxes, pipes, air ducts and racks that pass through.
- .2 Do not compress the insulation to fit the spaces to be insulated.
- .3 Allow at least 75 mm clearance between insulation and any heat-emitting element, such as recessed lighting fixtures.
- .4 Do not cover insulation until installation work has been inspected and approved by Departmental Representative.

3.3 CLEANING

- .1 Once the installation work is complete, remove surplus materials, waste materials, tools and safety barriers from the work site

END OF SECTION