

PART 1 GENERAL

1.1 Related Sections

- .1 Section 06 10 00 – Rough Carpentry.
- .2 Section 07 26 00 - Vapour Retarders.

1.2 References

- .1 American Society for Testing and Materials, (ASTM).
 - .1 ASTM C553, Specification for Mineral Fibre Blanket Thermal Insulation for Commercial and Industrial Applications.
 - .2 ASTM C665, Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
 - .3 ASTM C1320, Standard Practice for Installation of Mineral Fiber Batt and Blanket Thermal Insulation for Light Frame Construction.
 - .4 ASTM E84, Test Method for Surface Burning Characteristics of Building Materials.
- .2 Canadian Gas Association (CGA)
 - .1 CAN/CGA-B149.1, Natural Gas and Propane Installation Code Handbook.
 - .2 CAN/CGA-B149.2, Propane Storage and Handling Code.
- .3 Canadian Standards Association (CSA International).
 - .1 CSA B111, Wire Nails, Spikes and Staples.
- .4 Underwriters Laboratories of Canada (ULC).
 - .1 CAN/ULC-S702, Standard for Mineral Fibre Insulation.

1.3 Submittals

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

1.4 Measurement For Payment

- .1 No measurement for payment is to be made under this section. Include costs in unit prices or lump sum for items in which this item is required.

PART 2 PRODUCTS

2.1 Insulation

- .1 Thermal batt and blanket mineral fibre:
 - .1 Unfaced glass fiber thermal insulation to ASTM C665 Type:I, thickness and RSI value as indicated on drawings.
 - .2 Semi-rigid mineral wool batt insulation to CSA/ULC-S702, made from basalt rock and slag, thickness and RSI value as indicated on drawings.
- .2 Acoustic batt insulation:
 - .1 Unfaced glass fiber acoustical insulation to ASTM C665, Type I, thickness as indicated.
 - .1 Flame spread: 10 to ASTM E84.
 - .2 Smoke development: 10 to ATSM E84.
 - .3 Sound transmission Class: STC 49.
 - .4 Dimensional stability: linear shrinkage less than 0.1%.

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 and for sound attenuation as noted on drawings.
- .2 Fit insulation closely around electrical boxes, pipes, ducts, frames and other objects in or passing through insulation.
- .3 Do not compress insulation to fit into spaces.
- .4 Keep insulation minimum 75 mm from heat emitting devices such as recessed light fixtures, and minimum 50 mm from sidewalls and CAN/CGA-B149.1 and CAN/CGA-B149.2 Type B and L vents.

- .5 Do not enclose insulation until it has been inspected and approved by Engineer.

3.3 Cleaning

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

END OF SECTION