

Part 1 General**1.1 RELATED REQUIREMENTS**

- .1 Section 06 10 00 - Rough Carpentry
- .2 Section 07 26 00 - Vapour Retarders and Air Barriers
- .3 Section 08 44 13 – Glazed Aluminum Curtain Walls
- .4 Section 09 21 16 - Gypsum Board Assemblies.
- .5 Section 09 22 16 - Non-structural Metal Framing

1.2 REFERENCES

- .1 American Society for Testing and Materials International (ASTM)
 - .1 ASTM C1320-10 (2016), Standard Practice for Installation of Mineral Fiber Batt and Blanket Thermal Insulation for Light Frame Construction.
- .2 Canadian Standards Association (CSA International)
 - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
- .3 Laboratoires des assureurs du Canada (ULC)
 - .1 CAN/ULC-S702-14, Standard for Mineral Fibre Insulation.
 - .2 CAN/ULC-S702.2-15, Standard for Mineral Fibre Thermal Insulation for Buildings, Part 2: Installation Third Edition

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.

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 Health and safety: take necessary health and safety measures in construction in accordance with Section 01 35 29.06 – Health and Safety Requirements.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements

- .1 Store materials off ground, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
- .2 Store and protect specified materials from nicks, scratches, and blemishes.
- .3 Replace defective or damaged materials with new.

1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for reuse recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.

Part 2 Products

2.1 INSULATION

- .1 Blanket insulation
Batt and blanket mineral fibre.
 - .1 To CAN/ULC-S702, type 1.
 - .2 RSI : 0,62 m² °C/W / 25mm.
 - .3 Recycled content: 40% minimum.
 - .4 Thickness : as indicated.
- .2 Acoustical insulation
Acoustic insulation, fire-rated, mineral fibre: volcanic rock and slag.
 - .1 To CAN/ULC-S702, type 1.
 - .2 Density: 45 kg/m³.
 - .3 RSI: 0.76 m² °C/W / 25 mm.
 - .4 Flame propagation: 0
 - .5 Smoke developed: 0
 - .6 Recycled content: 40% minimum
 - .7 Thickness: as indicated.

2.2 ACCESSORIES

- .1 Insulation clips:
 - .1 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, 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 data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3.2 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for blanket insulation application in accordance with manufacturer's written instructions.
 - .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

3.3 INSULATION INSTALLATION

- .1 Install insulation to maintain continuity of thermal protection to building elements and spaces and to CAN/ULC S702.2 and ASTM C1320.
- .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.
- .5 Do not enclose insulation until it has been inspected and approved by Departmental Representative.

3.4 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.

END OF SECTION