

PART 1 - GENERAL

1.1 SUMMARY OF SECTION

- .1 As summarized but not restricted to:
 - .1 Provide acoustic interior insulation batt as indicated.

1.2 REFERENCES

- .1 American Society for Testing and Materials International (ASTM):
 - .1 ASTM C1338-14, Test Method for Determining Fungi Resistance of Insulation Materials and Facings.
- .2 Canadian Standards Association (CSA):
 - .1 CSA B149.1-10, Natural Gas and Propane Installation Code.
 - .2 CSA B149.2-10, Propane Storage and Handling Code.
- .3 National Fire Protection Agency (NFPA):
 - .1 NFPA 255-2006, Test of Surface Burning Characteristics of Building Materials.
- .4 Underwriters Laboratories of Canada (ULC):
 - .1 CAN/ULC S114-05, Method of Test for Determination of Non-Combustibility in Building Materials
 - .2 CAN/ULC S604-M91, Standard for Factory-Built Type A Chimneys
 - .3 CAN/ULC S702.2-10, Mineral Fibre Thermal Insulation for Buildings.

1.3 SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's printed product literature, including installation instructions, MSDS sheets, specifications and data sheets in accordance with Division 01, Submittal Procedures.

1.4 WASTE MANAGEMENT

- .1 Contractor to verify that packaging for insulation is collected and sorted for recycling.
 - .2 Contractor to take care with the installation of the batt insulation, use full pieces where possible, cut areas that cannot be re-used to be kept clean and saved for recycling.
 - .3 Separate and recycle waste materials in accordance with Division 01, Waste Management and Disposal.
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1.5 DELIVERY, HANDLING AND PROTECTION OF PRODUCT

- .1 Deliver and store materials in compliance with Division 01, Product Requirements.
- .2 Comply with insulation manufacturer's recommendations for handling, storage and protection during installation.
- .3 Protect insulation from physical damage and from becoming wet, soiled or covered with ice or snow before, during and after installation.
- .4 Store insulation at a location where humidity and temperature duplicates those during installation and occupancy in order to stabilize the sheathing. Store in covered area, protected from the weather at all times.
- .5 Label insulation packages to include material name, production date and/or product code.

PART 2 - PRODUCTS

2.1 MATERIALS - GENERAL

- .1 Insulation value thicknesses per inch based on values listed in the latest edition of NRC-Evaluation listings

2.2 ACOUSTIC INSULATION

- .1 Standard of Acceptance: Roxul, or approved alternate.
 - .1 Slag Stone Wool insulation to CAN/ULC S702, type 1, preformed insulation.
 - .2 Batt size width: to fit stud spacing
 - .3 Batt Thickness: to fit stud width and void spaces.
 - .4 Non-combustible to CAN/ULC S114
 - .5 Fungal Resistance Criteria: ASTM C1338.
 - .6 Minimum: 45% recycled materials

2.3 ACCESSORIES

- .1 Acoustic Caulking: refer to Section 07 92 00 Joint Sealants.
 - .2 Insulation support batt rack.
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PART 3 - EXECUTION

3.1 EXAMINATION

- .1 Examine substrates and do not proceed with installation until defects have been corrected. Examine the areas and conditions under which work of this section will be installed.
- .2 Verify that adjacent materials are dry and ready to receive insulation.
- .3 Verify mechanical and electrical services within walls have been tested and inspected.
- .4 Provide written report listing conditions detrimental to performance of work in this section. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 PREPARATION OF SUBSTRATE

- .1 Substrates are to be solid, fill materials are well compacted, free of protrusions and true to plane (i.e. free of undulations), free of dust and debris, and ready to receive insulation.

3.3 INTERFACE WITH OTHER SYSTEMS

- .1 Fit insulation tight around electrical boxes, plumbing and heating pipes and ducts, around exterior doors and windows and other protrusions.

3.4 INSTALLATION

- .1 General Notes:
 - .1 Install insulation to maintain continuity of acoustic protection to building elements and spaces.
 - .2 Offset joints in multiple layer applications.
 - .3 Do not enclose insulation until it has been reviewed by the Consultant.
 - .4 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, and data sheets for all insulation products.
 - .2 Acoustic Insulation Installation:
 - .1 Provide sound attenuation blankets to the walls as noted within the schedule in the documents.
 - .2 Penetrations are to be acoustically caulked.
 - .3 Insulation is to be provided firmly butted together, so that no thermal drifts occur within the insulated wall system.
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3.5 CLEANING

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

END OF SECTION
