

PART 1 - GENERAL

- 1.1 REFERENCES
- .1 American Society for Testing and Materials International (ASTM)
    - .1 ASTM C 423-07, Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
  - .2 Canada Green Building Council (CaGBC)
    - .1 LEED Canada-NC-2009, LEED (Leadership in Energy and Environmental Design): Green Building Rating System Reference Package For New Construction and Major Renovations.
  - .3 Canadian General Standards Board (CGSB)
    - .1 CAN/CGSB-51.34-M86(R1988), Vapour Barrier, Polyethylene Sheet for Use in Building Construction.
    - .2 CAN/CGSB-92.1-M89, Sound Absorptive Prefabricated Acoustical Units.
  - .4 Canadian Standards Association (CSA International)
    - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
  - .5 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
    - .1 Material Safety Data Sheets (MSDS).
  - .6 South Coast Air Quality Management District (SCAQMD), California State
    - .1 SCAQMD Rule 1113-04, Architectural Coatings.
    - .2 SCAQMD Rule 1168-05, Adhesives and Sealants Applications.
  - .7 Underwriter Laboratories of Canada (ULC)
    - .1 CAN/ULC-S702-97, Standard for Thermal Insulation, Mineral Fibre, for Buildings.
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- 1.2 ACTION AND INFORMATIONAL SUBMITTALS
- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
  - .2 Provide product data in accordance with Section 01 33 00 - Submittal Procedures.
  - .3 Provide samples in accordance with Section 01 33 00 - Submittal Procedures.
    - .1 Submit duplicate sample of each type acoustical unit.
  - .4 Sustainable Design Submittals:
    - .1 LEED Canada - Submittals: in accordance with Section 01 35 21 - LEED Requirements.
- 1.3 ENVIRONMENTAL REQUIREMENTS
- .1 Commence installation after building enclosed and dust generating activities are completed.
  - .2 Permit wet work to dry prior to commencement of installation.
  - .3 Maintain uniform minimum temperature of 15 degrees C and relative humidity of 20- 40% prior to, during and after installation.
- 1.4 DELIVERY, STORAGE AND HANDLING
- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
  - .2 Waste Management and Disposal:
    - .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
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PART 2 - PRODUCTS

- 2.1 MATERIALS .1 Acoustical Wall Panel System:
- .1 Material: Aspen wood fibres bonded with inorganic hydraulic cement.
  - .2 Thickness: 25.4 mm.
  - .3 Edge: Long edge bevelled.
  - .4 Width and length to suit configuration and sizes indicated.
  - .5 Factory painted white.
  - .6 Colour: to be selected from manufacturer's standard colour range.
  - .7 Conform to the requirements of SCAQMD Rule 1113 and Rule 1168.
- 2.2 ACCESSORIES .1 Provide accessories as follows:
- .1 Painted Head Drywall Screws:
    - .1 Material: steel.
    - .2 Color: white.
  - .2 Moulding:
    - .1 Material: Plastic.
    - .2 Manufacturer's standard.
  - .3 Touch-Up Paint:
    - .1 Colour: white.
- 2.3 FABRICATION .1 Demountable acoustic units:
- .1 Use one piece trim, continuous, with mitred corners and concealed fastenings.
  - .2 Conceal and make magnetic fastenings integral part of trim. Adhesive bonding of magnets is not acceptable.
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PART 3 - EXECUTION

- 3.1 MANUFACTURER'S INSTRUCTIONS .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.
- 3.2 INSTALLATION .1 Ensure substrate surface is straight to tolerance of plus or minus 3 mm over 3000 mm.
- .2 Install acoustic units to clean, dry and firm substrate.
- .3 Install acoustic units plumb and aligned. Arrange units as indicated.
- .4 Scribe acoustic units to fit adjacent work. Butt joints tight.
- 3.3 CLEANING .1 Proceed in accordance with Section 01 74 11 - Cleaning.
- .2 Keep acoustic installation and all components clean. Remove blemishes immediately.
- 3.4 PROTECTION .1 Protect finished acoustical wall treatment from damage.
- .2 Remove prior to substantial completion.
- 3.5 SCHEDULES .1 As indicated.