

PART 1 - GENERAL

1.1 Summary

- .1 Section Includes:
  - .1 Fibre wool blanket acoustic insulation located:
    - .1 Within partition framing.
    - .2 On top of ceilings.
  - .2 Types of Items not Described in this Section:
    - .1 Glass fibre blanket acoustic insulation.
    - .2 Insulation installed as part for its thermal properties.
    - .3 Insulation installed as part of a perimeter fire-resistive joint system.

1.2 Submittals

- .1 Product Data: For each type of product indicated.

1.3 Delivery, Storage and Handling

- .1 Protect insulation materials from physical damage and from deterioration due to moisture, soiling, and other sources. Store inside and in a dry location. Comply with manufacturer's written instructions for handling, storing, and protecting during installation.

PART 2 - PRODUCTS

2.1 Performance Requirements

- .1 Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to CAN/ULC-S101 by an independent testing agency.
- .2 STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 90 and classified according to ASTM E 413 by an independent testing agency.

2.2 Mineral Wool Blanket Insulation

- .1 Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include,

but are not limited to, the following:

- .1 Fibrex Insulations Inc.
  - .2 Roxul Inc.
  - .3 Thermafiber.
- .2 Recycled Content: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 40 percent.
- .3 Unfaced, Mineral-Wool Blanket Insulation: CAN/ULC-S702, Type I.

### PART 3 - EXECUTION

#### 3.1 Installation, General

- .1 Comply with insulation manufacturer's written instructions applicable to products and applications indicated.
- .2 Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed to ice, rain, or snow at any time.
- .3 Extend insulation to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation. Remove projections that interfere with placement.
- .4 Provide sizes to fit applications indicated and selected from manufacturer's standard thicknesses, widths, and lengths. Apply single layer of insulation units to produce thickness indicated unless multiple layers are otherwise shown or required to make up total thickness.

#### 3.2 Installation of Insulation for Framed Construction

- .1 Glass-Fibre or Mineral-Wool Blanket Insulation: Install in cavities formed by framing members according to the following requirements:
  - .1 Use insulation widths and lengths that fill the cavities formed by framing members. If more than one length is required to fill the cavities, provide lengths that will produce a snug fit between ends.
  - .2 Place insulation in cavities formed by framing members to produce a friction fit between edges of

insulation and adjoining framing members.

- .3 Maintain 76 mm clearance of insulation around recessed lighting fixtures not rated for or protected from contact with insulation.
- .4 For metal-framed wall cavities where cavity heights exceed 2438 mm, support unfaced blankets mechanically and support faced blankets by taping flanges of insulation to flanges of metal studs.
- .5 For wood-framed construction, install blankets according to ASTM C 1320 and as follows:
  - .1 With faced blankets having stapling flanges, lap blanket flange over flange of adjacent blanket to maintain continuity of vapor retarder once finish material is installed over it.

### 3.3 Installation Of Insulation in Ceilings for Sound Attenuation

- .1 Where glass-fiber blankets are indicated for sound attenuation above ceilings, install blanket insulation over entire ceiling area in thicknesses indicated. Extend insulation 1219 mm up either side of partitions.

### 3.4 Protection

- .1 Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes. Provide temporary coverings or enclosures where insulation is subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.