Section 07200
Interior Partition
Acoustical Insulation

Part 1 General

1.01 Summary
   A. Provide mineral wool sound attenuation fire batt insulation for interior partitions, exterior walls, or
      above ceilings as indicated in building plans.

1.02 Materials Provided in Other Sections
   A. Section 09250-Gypsum Board
   B. Section 09260-Gypsum Board Systems
   C. Section 09100-Metal Support Systems

1.03 References
         Light Frame Construction and manufactured Housing.
      2. C 553 Specification for Mineral Fiber Blanket Thermal Insulation for
         Commercial and Industrial Applications.
      4. E 136 Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C.
      5. C 518 Test Method for Steady-State Thermal Transmission Properties by
      6. C 423 Test Method for Sound Absorption Coefficient by the Reverberation Room Method

1.04 Submittals
   A. Product Data: Submit Industrial Insulation Group, a Johns Manville Company, product literature,
      samples and installation instructions for specified insulation.

1.05 Delivery, Storage and Handling
   A. Protect insulation from physical damage and from becoming wet, soiled, or covered with ice or
      snow. Comply with manufacturer's recommendations for handling, storage and protection during
      installation.
   B. Label insulation packages to include material name, production date and/or product code.
   C. Deliver and store materials under provision of Section (01600) (01620).

1.06 Limitations
   A. Do not use unfaced insulation in exposed applications where there is potential for skin contact and
      irritation.
   B. Kraft and standard foil facings will burn and must not be left exposed. The facing must be installed
      in substantial contact with the unexposed surface of the ceiling, wall or floor finish. Protect facing
      from any open flame or heat source.
Part 2  Products

2.01  Manufacturer
   A.  Industrial Insulation Group, a Johns Manville Company.

2.02  Sound Attenuation Fire Batts
   A.  Type: Unfaced mineral wool acoustical insulation complying with
        ASTM C 665, Type I or ASTM C 553, Type 5
   B.  Size:
        Thickness____ Width____ Length____
   C.  Surface Burning Characteristics:
        1.  Maximum flame spread: 5
        2.  Maximum smoke developed: 0
           When tested in accordance with ASTM E 84.
   D.  Combustion Characteristics:
        Passes ASTM E 136.
   E.  Fire Resistance Ratings:
        Passes ASTM E 119 as part of a complete fire-rated wall assembly.
   F.  Sound Transmission Class: STC____  IIG Publication 408 - Typical Sound Barrier
        Assemblies

2.03  Thermal Batt Insulation
   A.  Type: Unfaced mineral wool thermal insulation
        complying with ASTM C 665, Type I or ASTM C 553, Type 5.
   B.  Size:
        Metal Frame Insulation
        Thickness____ Width____ Length____
        Wood Frame Insulation
        Thickness____ Width____ Length____
   C.  Surface Burning Characteristics:
        1.  Maximum flame spread: 10
        2.  Maximum smoke developed: 10
           When tested in accordance with ASTM E 84.
   D.  Combustion Characteristics:
        Unfaced insulation passes ASTM E 136 test.
   E.  Fire Resistance Rating:
        Passes ASTM E 119 as part of a complete fire tested wall assembly.
   F.  Sound Transmission Class: STC____
        Select STC from IIG Publication 408 - Typical Sound Barrier
        Assemblies.

2.04  Shaftwall Insulation
   A.  Type: Unfaced mineral wool acoustical insulation
        complying with ASTM C 665, Type I, ASTM C 553, Type 5
   B.  Size:
        Thickness____ Width____ Length____
   C.  Surface Burning Characteristics:
        1.  Maximum flame spread: 5
        2.  Maximum smoke developed: 0
           When tested in accordance with ASTM E 84.
   D.  Combustion Characteristics:
        Passes ASTM E 136.
   E.  Fire Resistance Ratings:
        Passes ASTM E 119 as part of a complete fire tested shaftwall assembly.
   F.  Sound Transmission Class: STC____
        Select STC from IIG Publication 408 - Typical Sound Barrier
        Assemblies.

2.06  Gypsum Board
   A.  Refer to Section (09250) (09260) for detailed specifications.
   B.  Type: 1/2" thick, type "x" gypsum panels.
   C.  Type: 5/8" thick, type "x" gypsum panels.
   D.  Type: 1" thick, shaftliner.
2.07 Metal Framing
   A. Refer to Section (09250) (09260) for detailed specifications.
   B. Type: 2 1/2" steel stud.
   C. Type: 3 5/8" steel stud.
   D. Type: 2 1/2" steel I-stud.

Part 3 Execution

3.01 Inspection and Preparation
   A. Examine substrates and conditions under which insulation work is to be performed. A satisfactory
      substrate is one that complies with requirements of the section in which substrate and related work
      is specified.
   B. Verify mechanical and electrical services within the shaftwall have been tested and inspected.
   C. Obtain installer's written report listing conditions detrimental to performance of work in this section.
      Do not proceed with installation of insulation until unsatisfactory conditions have been corrected.
   C. Clean substrates of substances harmful to insulation.

3.02 Installation - General
   A. Comply with manufacturer's instructions for particular conditions of installation in each case.
   B. Batts may be friction-fit in place until the interior finish is applied. Install batts to fill entire stud
      cavity. Cut lengths to friction-fit against floor and ceiling tracks. Walls with penetrations require
      that insulation be carefully cut to fit around outlets, junction boxes and other irregularities.
   C. Where walls are not finished on both sides or insulation does not fill the cavity depth, supplementary
      support must be provided to hold product in place.
   D. Where insulation must extend higher than 8 feet, temporary support can be provided to hold product in place until the finish material is applied.

3.03 Gypsum Board Installation
   A. Refer to Section (09250) (09260) for proper installation of gypsum board.

3.04 Protection
   A. Protect installed insulation as recommended by Industrial Insulation Group.

END OF SECTION