

SECTION 09 81 15

ACOUSTICAL TREATMENTS AND INSULATION

PART 1 - GENERAL

1.01 GENERAL

- A. Protect fiberglass and acoustical materials from moisture during storage and installation.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Black-Faced Insulation: Semi-rigid (2 lbs./cu. ft.) fiberglass with black protective matt facing, Knauf Black Acoustical Board (800-825-4434), Owens Corning "SelectSound" Black Acoustic Blanket (800-438-7465), Johns Manville Insul-Shield Black, (800-644-4013, 800-622-0149), CertainTeed CertaPro AcostaBoard Black (800-233-8990).
- B. Acoustical Treatment Types:
 - AT-2 2-inch-thick Black Faced Insulation and edge trim similar to AT-1.
- C. Acoustical Batt Insulation: Unfaced 3-1/2-inch-thick R-11, 5-1/2-inch-thick R-19, 9-inch-thick R-30 Owens-Corning Fiberglass (800-438-7465), Johns Manville (800-654-3103), or equivalent.
- D. Cotton Fiber Insulation: - Unfaced 3-1/2-inch-thick R-11, 5-1/2-inch-thick R-19, thermally bonded batt Insulation made from post-industrial cotton fiber. Bonded Logic Ultratouch (480-812-9114)
- E. Safing: USG (800-874-4968) SAFB mineral wool.

PART 3 – EXECUTION

3.01 INSTALLATION OF ACOUSTICAL TREATMENTS

- A. Install Black Faced Insulation on stick-clips with black protective caps and using 3-M 77N contact adhesive. At all exposed conditions in occupiable spaces take note of the following. Provide edge trim at edges of all wall installations. Where the insulation is not black it must not be visible at joints between adjacent panels.
- B. Install 2-inch-thick black faced insulation on all wall and ceiling surfaces in the loudspeaker access spaces.
- C. Install 2-inch-thick black faced insulation on all mechanical room, electrical room and elevator machine room ceilings and the indicated wall surfaces.
- D. Install 2-inch thick black faced insulation on all surfaces in the large mechanical soffit above the stage.
- E. Do not paint muslin, Duvetyn, Black Faced Insulation or any other acoustically absorptive or porous surface.

3.02 INSTALLATION OF ACOUSTICAL INSULATION (in Sound-Rated Partitions and Ceilings):

- A. Install R-19 batt insulation above all suspended gypsum board ceilings and floor joist cavities.
- B. Install R-30 batt insulation in attic spaces, above resiliently suspended gypsum board ceilings, and in built up wood floor cavities.
- C. Install batt insulation to fill framing cavities and fasten to framing to prevent slipping at sound-rated construction.
- D. Install insulation batts around perimeter of piping and electrical boxes in sound-rated wall/ceiling cavities.
- E. Install safining insulation at duct and pipe penetrations of sound-rated constructions.
- F. Install mineral wool insulation filling all framing cavities in shaft walls surrounding elevators.

END OF SECTION