

SECTION 23 86 60

INSULATION

PART ONE - GENERAL:

- 1.01 All insulation shall have a composite fire and smoke hazard rating which shall include insulation, jacket, facing, and adhesive. Flame spread rate shall not exceed 25 with smoke development not in excess of 50. Accessories (adhesives, mastics, cements, tapes) shall be rated as specified for insulation. Samples of all types of insulation shall be submitted for approval. Piping and duct work shall be tested, thoroughly cleaned and approved before insulation is applied.

PART TWO - PRODUCTS:

- 2.01 Duct insulation shall be as manufactured by Manville, Certain-Teed, Owens-Corning, Knauf, or approved substitute.

PART THREE - EXECUTION:

3.01 SUPPLY AIR, RETURN AIR, AND OUTSIDE AIR DUCTWORK:

- A. All concealed ductwork, including flexible duct connections, diffuser boots, and backs, etc. shall be insulated with 2" thick, 1 pcF density, flexible insulation with factory applied vapor barrier consisting of Foil-Scrim-Kraft. Insulation shall be secured to ductwork with Benjamin Foster 85-20 adhesive. All joints shall be stapled and finished with a 3" wide strip of glass fabric and mastic.

3.02 EXPOSED RECTANGULAR DUCTWORK:

- A. All rectangular ductwork exposed in occupied spaces and other ductwork as elsewhere indicated shall be internally insulated with 1" AP Armaflex SA elastomeric insulation to meet NFPA 90A requirements. Liner shall be secured to the interior of the ductwork with weld pins and washers, 15" on center each way. Stick pins will not be allowed.
- B. All transfer air ducts shall be insulated the same as described for return duct above.

END OF SECTION