

SECTION 22 07 19
PLUMBING PIPING INSULATION

PART 1 – GENERAL

- A. Insulation: Type and thickness as specified.
 - 1. Provide fire retardant or self-extinguishing insulation, including adhesives.
 - 2. Finishing jackets, insulation, and adhesives shall have composite fire and smoke ratings per ASTM E84, NFPA 255, and UL 723.
- B. Domestic Hot Water Supply Piping Insulation:
 - 1. 1" thick glass fiber molded insulation with pre-sized factory applied FRJ jacket of glass cloth with longitudinal lap and butt joint strips with self sealing adhesive.
 - 2. Insulation may be 1/2" insulation for vertical branches to individual fixtures.
 - 3. Minimum density of 7-1/4 pounds per cubic foot, maximum thermal conductivity factor of 0.26K at 75 degrees F. mean temperature, and alkalinity of 0.696.
 - 4. Flame Spread: 25 or less.
 - 5. Smoke Developed: 50 or less.
 - 6. Accessories: Adhesives, mastics, cements, tapes for fittings, and related materials shall have the same composite ratings as listed above.
- C. (Cold water drains) AHU Condensate Drain Piping, Electric Water Cooler Drain Piping, Roof Drain bodies and Rain Water Leaders (horizontal) Insulation:
 - 1. Elastomeric (foam plastic) thermal insulation 3/4" thick with built-in vapor barrier rated self-extinguishing ASTM D1056.
 - 2. Maximum thermal conductivity factor of 0.26K at 70 degrees F. mean temperature, density of 5-6 pounds per cubic foot, and a water vapor transmission of 0.1 perms.
- D. Tape: As recommended by the insulation manufacturer or 3M adhesive EC-1329.
- E. Insulating Cement: All-purpose mineral wool cement.
- F. Glass Cloth Jacket: Factory sized white, standard weight, with 1-1/2" minimum longitudinal pressure sealing lap and seal strips for butt joints.
- G. Vapor Barrier Jacket:
 - 1. Flame resistant glass fiber adhered to outside of a 1 mil aluminum foil sheet with longitudinal pressure sealing lap and seal strips for butt joints.
 - 2. End cement perm rating shall not exceed 0.05.

CDH Partners, Inc.
21077.00

Estoria Urgent Care Center

GHS-FD Q2025027
Atlanta, Georgia

END OF DOCUMENT 220719