

CHAPTER 7B

BUILDING INSULATION

7B-01. SUBMITTALS

a. Has the contractor received approval of the insulation material both as to composition and thickness? Does it meet the "U" or "R" value requirements?

b. Has the vapor barrier and method of installation been approved?

c. Do you have the approved samples?

7B-02. MATERIALS

a. Are the materials supplied as approved?

b. Are the materials stored in a dry, protected environment? No wet or damp insulation shall be incorporated into the work.

7B-03. INSTALLATION

a. Check vapor barrier. It must be installed on the "warm in winter" side of the wall or ceiling.

b. Roof insulation must be protected from moisture by being covered with roofing immediately after being placed. It must never be left unprotected overnight. Check Chapter 70 for more about roof insulation.

c. Building insulation should be installed only after the building is closed in from weather, and construction has advanced to the point where no damage will result to either the insulation or vapor barrier. Vapor barriers are often damaged by other trades after installation. This should be closely monitored, since other trades are not aware of the critical nature of these damages.

(1) Secure edges of batts or blankets to supporting members.

(2) Fill all areas at tops against frames, jambs, and headers, etc., for a continuous seal against air infiltration. Install insulation around cold side of electric boxes, ducts, pipes, vents, etc.

(3) Lap and seal edges and ends of vapor barrier or use separate sheet membrane vapor barrier.

(4) Check loose fill insulation for required thickness after application.

(5) Information on insulation for masonry walls is in Chapter 4.

(6) Information on perimeter insulation is in Chapter 3A.