



Semi-rigid Interior Insulation

Residential Foundation Systems

N1102.2.6.7 - Interior foundation insulation requirements

1. Masonry foundation walls shall be drained through the masonry block cores to an approved interior drainage system.
2. If a frame wall is installed, it shall not be in direct contact with the foundation wall unless that interior side of the foundation wall has been waterproofed.
3. Comply with the interior air barrier requirements in section N1102.4.1.
4. Comply with section N1102.2.6.8, 1104.2.2.6.9, N1102.2.6.10, or N1102.2.6.11.

N1102.2.6.10 – Semi-rigid interior insulation

Semi-rigid interior insulation shall comply with the following:

1. ASTM C1621 with a maximum permeance of 1.1 per inch.
2. Must have a minimum density of 1.3 pcf and have a fungal resistance per ASTM C1338.
3. Installation requirements:
 - a) Must be in contact with the foundation wall surface;
 - b) Vertical edges must be sealed with acoustic sealant;
 - c) All interior joints, edges, and penetrations shall be sealed against air and water vapor penetration;
 - d) Horizontally continuous acoustic sealant shall be applied between the foundation wall and the insulation at the top of the foundation wall; and
 - e) Horizontally continuous acoustic sealant shall be applied between the basement floor and the bottom insulation edge.