



Spray-applied 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.**

N1102.2.6.9 – Spray-applied interior insulation

Spray-applied interior insulation shall comply with the following as applicable:

1. **Closed cell polyurethane.**
 - a) **ASTM C1029 compliant with a permeance not greater than 1 in accordance with ASTM E96 procedure A.**
 - b) **Sprayed directly onto the foundation wall surface. There must be a one-inch minimum gap between the foundation wall surface and any framing.**
 - c) **The insulation shall not be penetrated by the placement of utilities.**
 - d) **Through penetrations shall be sealed.**
2. **One-half pound free rise open cell foam.**
 - a) **Spray applied directly onto the foundation wall surface. There must be a one-inch minimum gap between the foundation wall surface and any framing.**
 - b) **The insulation shall not be penetrated by the placement of utilities.**
 - c) **Through penetrations must be sealed.**