

Passive Radon System Requirements

2015 MN Residential Code 1303.2402

Shall consist of:

1. 4 inches of clean aggregate 2 inch to $\frac{1}{4}$ inch in size under concrete slab of conditioned spaces with 6-mil poly over sub-grade rock with seams lapped at least 12 inches. *It is recommended* to seal poly around penetrations before pouring slab.
2. A minimum 3-inch diameter ABS or PVC vent pipe with one 10-foot section of perforated pipe connected to each side of a "T" fitting embedded into the sub-slab rock and extend at least 12-inches above roof surface 10 feet away from any conditioned space opening. **Alternatively;** *the radon vent pipe may be inserted into the drain tile loop or sealed sump basket.*
3. All horizontal portions of vent pipe shall slope for drainage to ground.
4. Radon vent pipe shall be labeled and, insulated to R-4 minimum in unconditioned spaces.
5. Provide space around vent pipe to allow future installation of fan system.
6. Install electrical outlet in anticipated location of vent pipe fan for future fan installation. The power source cannot be located in any conditioned space, basement or crawl space.
7. A rock and poly inspection is required before pouring concrete. All concrete joints and where slab meets foundation wall shall be sealed.

