



The Municipality of Bethel Park

Radon-Resistant New Construction Features Checklist

Reducing radon levels lowers your risk of radon-induced lung cancer. To help protect residents of the Municipality, our local ordinance under chapter 26.1 has adopted standards to assist in radon reduction. The following information includes, but is not limited to, the codes as detailed in the 2009 IRC appendix F:

1. **Gravel:** Apply a 4” layer of clean, coarse gravel below the concrete slab within the walls of the living spaces of the building, including crawl-spaces where a slab may not be installed.
2. **Plastic Sheeting or Vapor Retarder:** Place a minimum 6mil heavy-duty plastic sheeting or a vapor barrier over the gravel to inhibit radon and other soil gases from entering the house. All edges are to be completely sealed to the walls of the foundation with an approved tape or caulking.
3. **A Vent Pipe:** Install a 3” or 4” vent pipe vertically from the gravel layer through the house’s conditioned space and roof. This safely vents radon and other soil gases outside the house.
4. **Sealing and Caulking:** Sealed all openings, cracks, and crevices in the concrete foundation and walls with polyurethane caulk to prevent radon and other soil gases from entering the home.
5. **Electrical Receptacle:** Install an electrical receptacle in the attic or an anticipated location for use with a vent pipe fan, should a pressurized system be necessary.

Areas requiring Radon Control Methods Include:

- All Residential Basements w/ Habitable Space Above
- All Residential Crawl-Spaces w/ Habitable Space Above
- All Residential Garages w/ Habitable Space Above
- All Residential Slabs-On-Grade w/ Habitable Space Above

Please contact us should you have any questions regarding the above features.

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