

New Construction

Preventing radon gas infiltration in a new construction is even simpler.

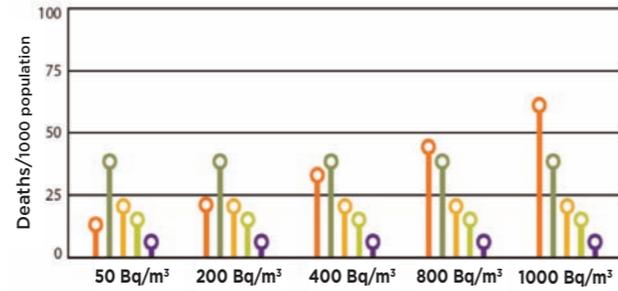


Renovation

A simple solution to prevent radon infiltration in existing buildings. Spray HEATLOK SOYA on the existing slab, the foundation walls and the rim joist, and then pour a new slab. It is important to verify the floor/ceiling height, since this will add approximately 4" to the floor thickness.



Risk from Radon Exposure*



- Lifelong exposure to radon - Non-smoker
- All accidental deaths combined
- Bush pilot
- Ascending Mount Everest
- Poisoning

Bq = Becquerel, unit of measurement for radon gas

*Source: Radon - Reduction Guide for Canadians, Health Canada

Here are Health Canada's recommendations for reducing radon infiltration in basements:

- Install a membrane or sealing product under the floor slab
- Seal the joint between the foundation wall and the floor slab
- Seal all openings in the foundation wall and floor slab
- Seal all posts and load-bearing walls to the floor slab and membrane
- Install floor drains that prevent gas infiltration
- Install sealed lid on sumps

HEATLOK™
SPRAY POLYURETHANE FOAM
SOYA

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SOYA



The solution for a **dry** basement and **lasting comfort!**



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Canadian Association of Radon Scientists and Technologists

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The solution for a **dry** basement and **lasting comfort!**

The basement is a high-humidity zone, prone to mold and mildew development. According to independent laboratory testing (ASTM C1338), mold will not grow in HEATLOK SOYA foam, as it is not a nutrient source for bacteria. The product is water and humidity resistant. Numerous studies have shown that it is the ideal insulation for flood zones. The spray polyurethane foam may remain in place even after a flood. The foam does not degrade and, once dry, HEATLOK SOYA recovers all of its physical properties.

In short, the installation of HEATLOK SOYA under the slab and on foundation walls saves time and materials, while providing lasting superior-quality insulation and airtightness at a competitive price.

HEATLOK SOYA was tested for its resistance to radon gas by recognized independent laboratories. The results demonstrated that HEATLOK SOYA is four times more effective against radon migration than 6 mil polyethylene sheeting.

Introduced on the market in 2006, HEATLOK SOYA is produced in Canada and incorporates 18% recycled plastic and renewable oils. To date, DEMILEC has recycled more than 360 million 591-mL plastic bottles. HEATLOK SOYA is suitable for application on all building types. Its installation generates no waste, no jobsite trash. There is no packaging. The product is sold in liquid form in returnable or recyclable containers, and applied exclusively by CUFCA licenced contractors.

What is radon?

Radon is a harmful radioactive gas. It is colourless, odourless and tasteless, and is the second leading cause of lung cancer. Radon gas is heavier than air and accumulates in basements. This is a guide to building or renovating a radon gas-proof basement using HEATLOK SOYA spray polyurethane foam.

Radon can enter by a number of routes: through cracks in the floor slab or foundation walls, through floor and wall joints, through utility openings and sumps or drains. The Canadian Lung Association (CLA), the National Building Code of Canada (NBC) and the Quebec Construction Code (CCQ) **recommend testing for radon if you spend more than four hours a day in a basement.**

How does radon get into your home?

