

HUNTSMAN

BUILDING SOLUTIONS



One-Step Radon Protection

Canada's #2 Leading Cause of Lung Cancer

Most modern building regulations require all foundation seams and breaches to be sealed to prevent the incursion of radon, an invisible, odorless, radioactive gas and Canada's second most common source of lung cancer.

Benefits of Using Spray Foam for Radon Abatement

HEATLOK Soya HFO has been tested for its resistance to radon gas by recognized independent laboratory tests that are comparing HEATLOK Soya HFO to a 6 mil. polyethylene sheet (CAN-CGSB 51.34-M) for the abatement of radon gas. The results demonstrate that only 1.5" (38mm) of HEATLOK Soya HFO is 65 times more resistant to radon migration than 6-mil polyethylene.

Product Highlights

- 65 times more resistant to radon gas than a 6 mil polyethylene membrane (at 1.5")
- Can be sprayed directly on crushed stone due to high compression strength
- Continuous insulation with no joints. Requires no sealant, tape or cutting of materials
- Exceeds code by providing an under slab insulation value of R 8.12 at 1.5" (RSI 1.43/38mm)*
- Tested in accordance with CAN/ULC S741, ASTM E 2178 and K124/02/95 (method C of ISO/TS 11665-13)
- CCMC 14280-R and NBC Compliant

*R value according to LTTR CAN/ULC S 770-09



Radon is a noxious radioactive gas that is colorless, odorless and tasteless. It is heavier than air and accumulates in basements. It can infiltrate through several places:

- **Cracks in the floor slab or foundation walls**
- **The joint between the floor slab and foundation wall**
- **Openings in the floor slab or sumps**

HEATLOK Soya HFO is sprayed on the substrate before the basement floor is poured. A single pass can seal the wall and the floor seams, as well as the space around utility fittings such as floor drains, sewer lines, and electrical passages. HEATLOK Soya HFO is evaluated as insulation CCMC-14078-L and compliant to NBC for air barrier, sealing gas as well as, or better than, industry standard products.

When a similar installation is done with the use of insulation panels, polyethylene, sealant, glue and tape, the overall performance and the quality of the job depend of the level of workmanship. In a single step with HEATLOK Soya HFO, we create a durable and perfectly sealed structural envelope during and after the work. All plumbing pipes and vents, sumps and drains in the slab and walls are sealed in one operation, without any complication regarding compatibility of materials.

