

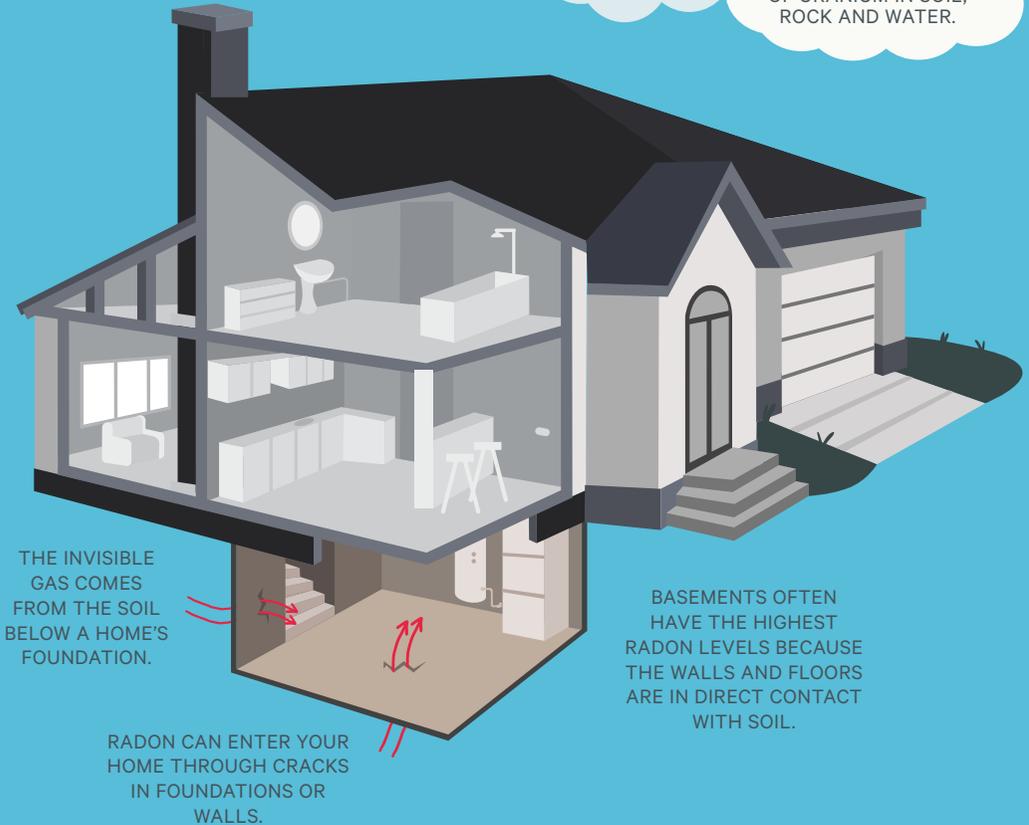
# RADON GAS



## PROTECTING YOUR FAMILY AND HOME

RADON IS A RADIOACTIVE GAS THAT CAN BE FOUND THROUGHOUT THE COUNTRY.

IT'S FORMED BY THE NATURAL BREAKDOWN OF URANIUM IN SOIL, ROCK AND WATER.



THE INVISIBLE GAS COMES FROM THE SOIL BELOW A HOME'S FOUNDATION.

RADON CAN ENTER YOUR HOME THROUGH CRACKS IN FOUNDATIONS OR WALLS.

BASEMENTS OFTEN HAVE THE HIGHEST RADON LEVELS BECAUSE THE WALLS AND FLOORS ARE IN DIRECT CONTACT WITH SOIL.

**“You have high levels of radon in your home”**

Those are words that no homeowner wants to hear. The good news is, there are mitigation systems that can prevent radon from entering your home to protect your family from exposure to this harmful gas.

**LEARN MORE →**

Radon is second leading cause of lung cancer after smoking.

Approximately 7% of homes have high levels of radon.

Radon levels vary significantly across the country.

Those who spend 4+ hours a day in basements are at greater risk.

Source: Statistics Canada, <https://www150.statcan.gc.ca/n1/pub/16-508-x/16-508-x2016002-eng.htm>

## SPRAY FOAM INSULATION SOLUTION

Closed-cell spray foam goes beyond traditional insulation. It creates a complete seal and continuous shell that protects your home from air infiltration and radioactive gases that may enter your home.

### WHY BASEMENTS WITH CLOSED-CELL SPRAY FOAM ARE HEALTHIER:

- **Continuous air barrier** acts as the first line of defense against radon, and other harmful gases.
- **Vapour barrier** protects the foundation from damage where radon can enter.
- **Moisture resistance** creates a drier environment and prevents mold and bacteria growth.
- **GREENGUARD Gold Certification** means Insulthane® spray foam products are tested for low chemical emissions, improving air quality.

## HEALTH CANADA RECOMMENDATIONS FOR BUILDERS

Health Canada<sup>1</sup> and the National Building Code include requirements to control air leakage and soil gas entry to minimize the level of radon entering a home.

**INSULTHANE**<sup>®</sup>  
by ELASTOCHEM

Insulthane® closed-cell insulation is an approved air barrier system<sup>2</sup> and soil gas barrier<sup>3</sup> that defends against radon and other dangerous gases.

Installing a soil gas barrier under the floor slab	Sealing the basement floor and foundation wall	Air-sealing around openings in walls and basement floors
Using control joints in the concrete floor slab and foundation wall	Installing special traps in floor drains that prevent gas infiltration	Installing a sealed lid on the sump

(1) <https://canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/radiation/radon-reduction-guide-canadians-health-canada-2013.html>

(2) Insulthane® Extreme Air Barrier System, 14030-R, CCMC-TG-072709.01-10 (3) National Building Code of Canada 2015, Protection from Soil Gas Ingress, 9.13.4.2



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