

**YOUR FAMILY DESERVES  
A PROTECTED, SAFE AND  
HEALTHY SPACE, SO MAKE  
THE RIGHT CHOICE –  
OWENS CORNING® FOAMULAR®  
NGX® RADONBARRIER™ RADON  
ABATEMENT SYSTEM:**



**The FOAMULAR® NGX® RadonBARRIER™  
Radon Abatement System has 36X  
greater radon resistance<sup>6</sup> compared to a  
polyethylene membrane, providing  
extra protection for your family.**

**RADONBARRIER™ SYSTEM  
BENEFITS:**

- A durable solution for long-term performance, evaluated by CCMC – (CCMC Report 14349-R)<sup>7</sup>
- Improved indoor air quality for your home
- A more comfortable basement with the proven performance of Owens Corning insulation products
- Limited lifetime warranty for thermal resistance
- An added sense of comfort knowing your family is more secure in a healthier, safer and energy efficient environment<sup>8</sup>
- A space ideal for working from home or spending more time with the family



**QUESTIONS  
TO ASK YOUR  
YOURSELF  
ABOUT RADON.**

Do you plan to use the basement  
as a home office or living space?

Have you verified the potential  
radon levels on your property?

Do you want extra protection  
from radon?

What radon system does your  
builder offer?

Can your builder provide the  
Owens Corning® RadonBARRIER™  
Radon Abatement System?



**To learn more about the Owens Corning®  
FOAMULAR® NGX® RadonBARRIER™  
Abatement System:**



**OWENS CORNING CANADA LP**  
3450 MCNICOLL AVENUE  
SCARBOROUGH, ONTARIO M1V 1Z5  
**1-800-GET-PINK®**  
**radonbarrier.ca**

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<sup>1</sup>Toronto Star May 2, 2021 re University of Calgary research. <sup>2</sup>Health Canada Study 2009 – 2011, 14,000 homes. <sup>3</sup>Health Canada Study 2009 – 2011, 14,000 homes. <sup>4</sup>Haynes, William M., ed. (2011). CRC Handbook of Chemistry and Physics (92nd ed.). Boca Raton, FL: CRC Press. p. 4.122. ISBN 1439855110. <sup>5</sup>Kusky, Timothy M. (2003). Geological Hazards: A Sourcebook. Greenwood Press. pp. 236–239. ISBN 9781573564694. <sup>6</sup>NRCAN Radon Abatement Test Report No. A1-020145, October 20, 2021. Owens Corning FOAMULAR® NGX® CodeBord® with taped or sealed joints is 36X greater than 6 mil. polyethylene as a radon barrier material. <sup>7</sup>Only Radon Abatement System solution with XPS evaluated by CCMC - Report 14349-R. <sup>8</sup>Compared to Radon exposure.



**HOMEOWNER'S GUIDE TO  
PROTECTING YOUR FAMILY  
FROM RADON GAS.**



HEALTH CANADA  
RECENTLY ANNOUNCED  
A LOWERING OF THE  
CANADIAN GUIDELINE  
FOR INDOOR  
EXPOSURE TO RADON.  
THIS REDUCTION  
WAS THE RESULT OF  
NEW INFORMATION  
THAT INDICATES  
THE HEALTH RISK  
OF RADON-INDUCED  
LUNG CANCER  
OCCURS AT LOWER  
LEVELS OF EXPOSURE  
THAN PREVIOUSLY  
THOUGHT.

**WHAT IS RADON?  
THE SILENT KILLER.**

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium found in sediment (soil), rocks, and water. When radon is released from the ground into the outdoor air, it is diluted and is not a concern. However, in enclosed spaces like homes, it can sometimes accumulate to high levels, which can create a health risk. The air pressure inside a dwelling is usually lower than in the soil surrounding the foundation. This difference in pressure draws air and other gases, including radon, from the soil. Radon can enter homes through cracks in foundations, construction joints, gaps around pipes, sump pumps and drains, etc.

The current Canadian guideline for radon in indoor air for dwellings is 200 becquerels per cubic metre (200 Bq/m<sup>3</sup>). This was recently reduced from 800 Bq/m<sup>3</sup>. One becquerel is described as one radioactive disintegration per second.

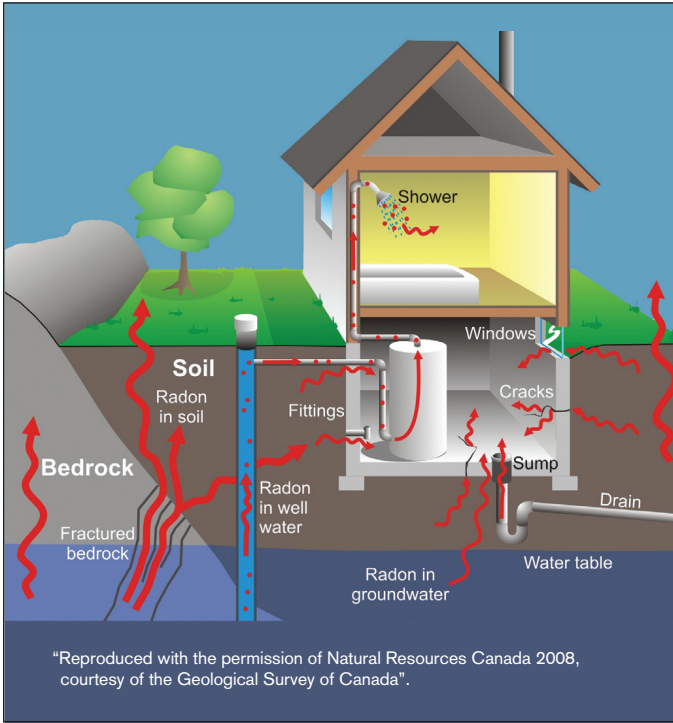
- WHAT IS THE INCIDENCE  
OF UNHEALTHY INDOOR  
RADON LEVELS?**
- Between 2009 and 2011, Health Canada conducted a survey of radon concentrations in homes across Canada. The study tested radon levels in **14,000 homes over three months and here are the results:**
- 1 in 5 homes showed radon level exceeding Health Canada guidelines of 200 becquerels per cubic metre (Bq/m<sup>3</sup>)<sup>1</sup>
  - 7% of Canadian homes have high radon levels<sup>2</sup>
  - Canadian Building Code recommending to encapsulate radon
  - There are no areas of the country that are 'radon free.'<sup>3</sup>
  - Radon kills 3,000 Canadians and 21,000 Americans per year<sup>4</sup>
  - 1 in 15 homes in the U.S. and Canada have high radon levels<sup>5</sup>

***“Radon exposure is linked to approximately 16% of lung cancer deaths in Canada and is the second leading cause of lung cancer for smokers.”***

This has prompted concern that radon levels in some Canadian homes and buildings may be a health risk. It is estimated that about 10% of all lung cancers worldwide are related to radon.

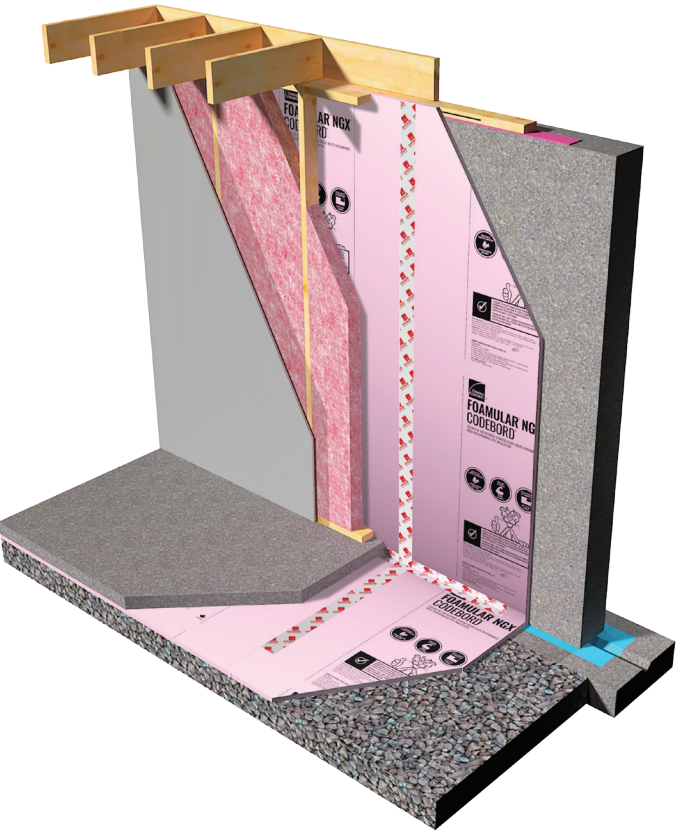
**HOW DOES RADON  
ENTER A HOME?**

Radon can enter via cracks in the foundation walls and/or floor slabs. It can also enter through other openings, including; unfinished floors (dirt), construction joints, gaps around service pipes, support posts, window casements, floor drains, sumps, and/or cavities inside walls.



Indoor radon levels are the result of a number of interconnected factors including the property's bedrock type, soil type, soil moisture level, seasonal freezing and thawing activity and the home's design, construction and use.

**HOW THE OWENS CORNING®  
FOAMULAR® NGX® RADONBARRIER™  
RADON ABATEMENT SYSTEM CAN  
MITIGATE RADON GAS FROM  
ENTERING YOUR HOME:**



- Components:**
- FOAMULAR® NGX® CodeBord® Extruded Polystyrene Rigid Insulation
  - Owens Corning® JointSealR® Tape
  - Owens Corning® ProPink ComfortSeal™ Gun Foam or Code Compliant Flexible Sealant