



**BREATH EASY WITH
ENGINEERED
RADON-RESISTANT
HOMES**



- | **Passive & Active Systems**
- | **Pre-Emptive Systems**
- | **Radon Ready Systems**
- | **World-Class Radon Experts**

 **CUPOLEX®**

CUPOLEX® Aerated Floor Solution

CUPOLEX® is the leading global manufacturer of concrete cast-in-place aerated floor forming solutions for radon mitigation systems. CUPOLEX® pioneered the use of passive and active aerated floor radon mitigation systems using our proprietary form-base methodology. CUPOLEX® mitigation designs provide a continuous void space below concrete floor slabs by manipulating the geometry of concrete – creating an aerated floor that provides better venting and protection at lower cost than traditional systems.

ADAPTABLE TO ANY FOUNDATION OR RADON SYSTEM

CUPOLEX® can provide solutions for any radon system:

- Active Systems
- Passive Systems
- Pre-Emptive Radon Ready systems

And can be designed for any types of foundations such as:

- Basements
- Slab-on-grade
- Crawl spaces
- Structural PT slab foundations
- Any combination of the above

BECOME ONE OF THE MANY BUILDERS NATIONWIDE WHO ARE HELPING TO REDUCE THE RISKS OF RADON!

Do you want to reap the benefits of installing an engineered CUPOLEX® radon-resistant feature for your home buyers?

An engineered CUPOLEX® radon-resistant home not only protects your customer's health, they also affect your bottom line: your profit. Implementing a CUPOLEX® radon-resistant home may make a big difference in return down the road, particularly as home buyers are increasingly looking for environmentally conscious builders and healthy homes.

CUPOLEX RADON RESISTANT HOME PROGRAMS CUSTOMIZED FOR NEW HOME BUILDERS



A CUPOLEX® CUSTOMIZED RADON-RESISTANT HOME PROGRAM ATTRACTS MORE POTENTIAL HOME BUYERS

Offering homes with radon-resistant features can attract more potential home buyers, which can translate into closing more sales and greater profits. Consumers are becoming more aware that radon is a health risk and building a home with CUPOLEX® radon-resistant features could give buyers one more reason to purchase a home from you.

Engineered CUPOLEX® radon-resistant homes are consistent with state-of-the-art energy-efficient construction. The engineered CUPOLEX® design features also decrease moisture and other soil gases entering the home, reducing moulds, mildews, methane, pesticide gases, volatile organic compounds, and other indoor air quality problems.

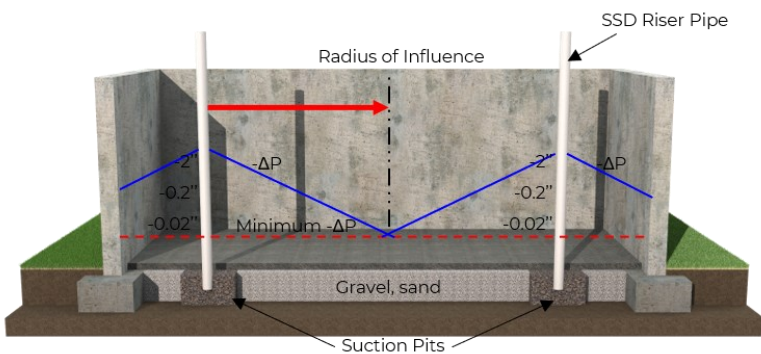


CHEAPER FOR HOME BUILDERS

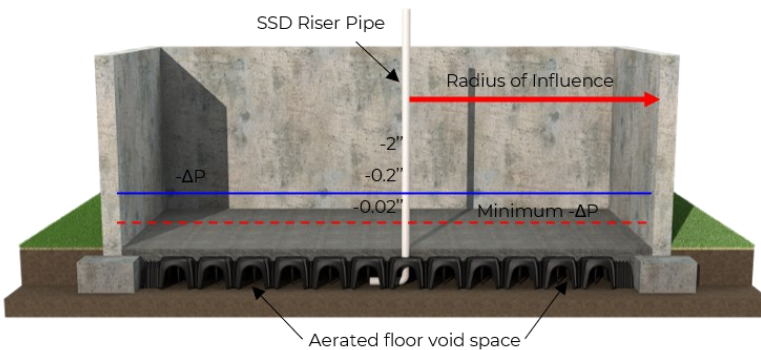
It is cheaper to install a CUPOLEX® radon reduction system during construction than to go back and fix a radon problem identified later. On average, installing a CUPOLEX® radon-resistant system during construction may cost less if you already use some of the systems that are considered as a radon-ready or rough-in system and that may be required by local and national buildings codes. In contrast, retrofitting an existing home with these rough-in systems will typically cost up to \$2,500.

MORE EFFECTIVE THAN TRADITIONAL SYSTEMS

A CUPOLEX® system will provide your project a more sustainable and cost-effective solution. Our engineered aerated floors are an order of magnitude more effective than traditional slab-on-grade systems, without the need for expensive liners.



Conventional Gravel System



CUPOLEX® Aerated Floor



GET AN EDGE ON THE MARKET

All homebuyers want to know that they are buying a quality home. CUPOLEX® radon-resistant systems are inexpensive and easy to implement. Implementing a CUPOLEX® radon-resistant home program will make your company stand apart from the other builders in your area by demonstrating your commitment to customer satisfaction and healthy homes.

These are the services CUPOLEX® can offer to homebuilders:

- Make a CUPOLEX® system a custom feature in all your sales, promotional and advertising materials
- Assist with educating your sales team
- Show how to use your model home as a promotional tool for the CUPOLEX® radon system you are offering to your potential home buyers
- Help you develop media and promotional materials to generate buyer awareness
- Make a name for yourself and help you to establish yourself as a knowledgeable builder concerned about radon and equipped to do something about it.





Leading the Way

We deliver value engineered and cost-effective radon mitigation design solutions for protecting homes. From coast to coast, we lead the industry with the most aerated floor systems designed, installed, and operating efficiently.

CUPOLEX® is a proprietary patented plastic concrete forming system manufactured by Pontarolo Engineering Inc. The concrete forms are part of a design package provided by CUPOLEX®. Our engineers design the aerated floor slab using CUPOLEX® structural dome technology. We select the type and size of CUPOLEX® forms that will provide the ultimate performance for your specific project. CUPOLEX® supplies the forms to contractors to assemble the system as to the design and specifications provided by the CUPOLEX® design engineers.

CUPOLEX® concrete floors can be designed at various depths to suit any site conditions or radon mitigation requirements.

With thousands of commercial, industrial, and residential buildings mitigated using CUPOLEX® within the last 20 years, our professional CUPOLEX® engineers know where to find cost-saving opportunities while maintaining or improving system effectiveness.

CUSTOMIZED DESIGN PACKAGE

- **Design**
CUPOLEX® mitigation designs provide creative ways to build homes. We design passive or active systems to reduce operating costs
- **Value Engineering**
One step for evaluation of radon control options, including remediation, mitigation, and institutional controls. CUPOLEX® engineers review each project, provide value engineering and identify the type and size of CUPOLEX® for every project. When mitigation is necessary, we use focused designs to minimize the system footprint and energy use, reduce iterative system testing, and lower overall life cycle costs.
- **Preliminary drawings**
Design coordination, cost estimate conceptual designs, sections and details provided to home builders.
- **Engineered design drawings**
Expert design of CUPOLEX® sub-slab depressurization, sub-slab venting, and other systems such as pre-emptive and “Radon Ready” mitigation systems. PE stamped design drawings and specifications issued for construction (IFC)
- **CUPOLEX® installation shop drawings**
Issued to contractor with detailed CUPOLEX® formwork and venting system installation procedures
- **On-site Support**
Construction training, monitoring and inspections
- **Testing, reporting & monitoring**
Diagnostic testing to improve design efficiency and effectiveness with certification and reporting for regulatory compliance where required, ongoing system operation, maintenance, and monitoring.