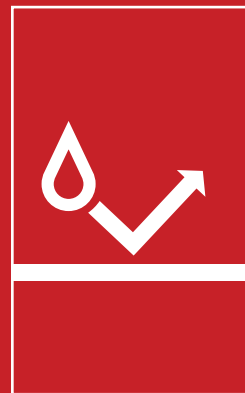
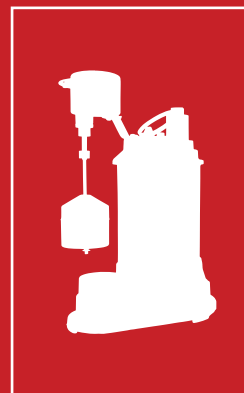


SIX COMPONENTS OF A CRAWL SPACE WATERPROOFING SYSTEM



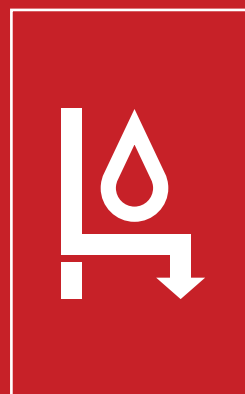
MOISTURE BARRIERS

Moisture barriers are non-porous products applied to the interior of the foundation. All moisture and vapor is prevented from entering the interior of the crawl space. A crawl space waterproofed without moisture barriers will continue to have moisture and dampness on the interior walls.



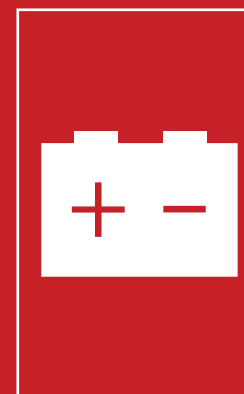
SUMP PUMPS

All water must be properly discharged from the drain system. A pumping system is installed to remove all collected water from the structure. It is important to have a pump that is capable of removing the volume of water collected by the system. If a sump pump cannot meet the demands of the system, crawl space flooding occurs.



DIVERTERS

Diverters establish and maintain open water pathways to direct any and all water into a drainage system. Diverter products relieve hydrostatic pressure by facilitating water flow and removing resistance. Waterproofing systems without diverters are easily overwhelmed when heavy rainfall occurs.



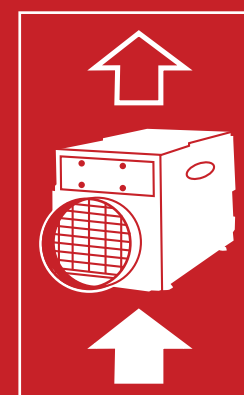
BACK-UP PUMPS

A backup system takes over pumping duties whenever power service is disrupted. Without a battery backup system, flooding will occur when power to the home is disrupted. A proper battery backup system will maintain the required pumping capacity of the system until power is restored.



DRAINAGE

Drainage products are placed under the floor in the crawl space to collect and discharge all storm water. It is very important that the drain system can accommodate a high volume of water. An undersized drain system won't be able to handle the demand during heavy rainfall and flooding will occur.



AIR QUALITY CONTROL

Without a dehumidifier, excess moisture in the air can cause mold and mildew to grow. These contaminants can trigger many health problems. Moisture can also cause floor supports to warp or rot. Adding a dehumidifier to your crawl space can prevent these issues from occurring.

THANK YOU FOR YOUR BUSINESS!



A GUIDE TO A DRY CRAWL SPACE



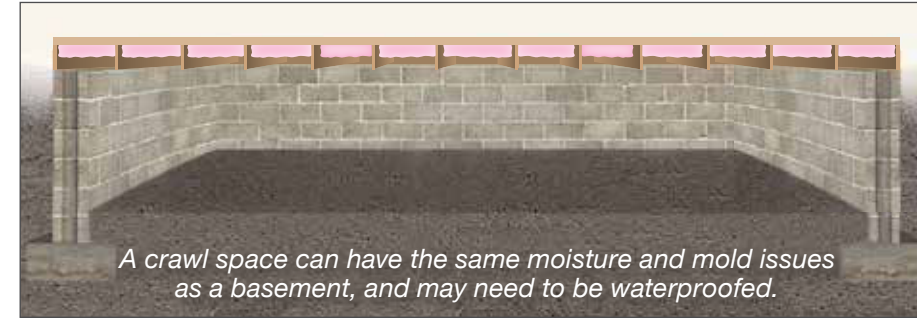
If any one of the components is eliminated, the chances of system failure and potential crawl space problems greatly increase.



615.956.4592 | buckeyebasementsolutions.com

CRAWL SPACE MOISTURE SOLUTIONS

HAVE YOU EVER CONSIDERED WATERPROOFING YOUR HOME'S CRAWL SPACE? MAYBE IT'S TIME.



Crawl spaces don't usually get much thought by most homeowners. But what happens in this space can have a great effect on the rest of your home. Including the health of everyone living in the house above it.



If your crawl space has leaks and moisture inside, insects (including termites) can be present. And the dampness can cause mold and mildew to grow. These problems can spread to the rest of the house and cause

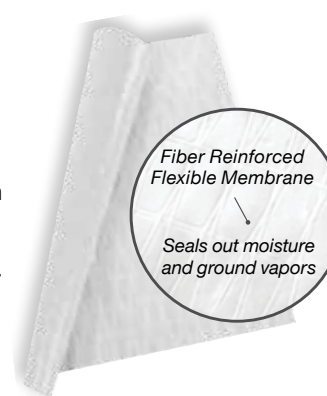
health problems for the occupants, in addition to structural damage.

Moisture Barriers

There are multiple solutions to the moisture problem in your crawl space. But one of the best is to install a crawl space vapor barrier. We recommend Flexi-Seal, which is a fiber reinforced flexible membrane used to create a continuous permanent barrier from external moisture and earth gases.

Flexi-Seal resists tears and stands up to abuse. It beautifies and brightens dark, dreary spaces. Flexi-Seal can also transform a damp, dirty crawl space into a clean, dry storage space. Flexi-Seal exceeds all ASTM E-1745 requirements for a vapor and moisture barrier and is required when constructing closed or conditioned crawl spaces.

And crawl space encapsulation can also cut down on humidity and lower your heating and cooling costs.



Water Drainage Systems

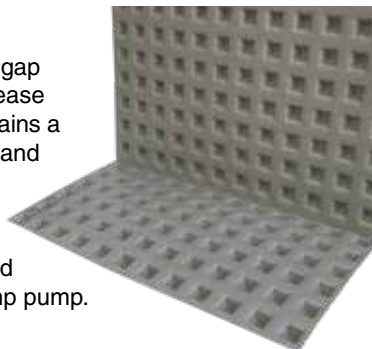
If your crawl space has water drainage and moisture issues, we recommend installing a QuikFlo Drainage System.

This system is designed specifically for foundation waterproofing and utilizes air space to drain the maximum amount of water. QuikFlo can be installed in a shallow trench alongside the footer or directly on it. The oversized water holes eliminate clogging and allow water to easily flow through the system.



Diverters

Our Polycove diverter uses air-gap technology to significantly increase water drainage. Polycove maintains a 5/8" air gap between the footer and the crawl space floor. Moisture from the crawl space walls is channeled into the drainage system and basin, then removed from the foundation by the sump pump.



Dehumidifiers

A dehumidifier can help with excess moisture in the air that can cause mold and mildew to grow in your crawl space. These contaminants can trigger allergies, asthma and other health problems. It can also breed termites, which can damage your home's structure. We recommend adding an AprilAire® Dehumidifier to your crawl space to prevent these issues from occurring.



CRAWL SPACE MOISTURE PROBLEMS



A. HANGING AND FALLING INSULATION

B. STANDING WATER

C. INSULATION NOT UP TO CODE

D. MOLD ON JOISTS

E. DAMP AND MOLDY FOUNDATION

F. EXPOSED EARTH

CRAWL SPACE MOISTURE SOLUTIONS



A. REMOVE ALL LOOSE, HANGING & FALLING INSULATION

B. ADD PITBOSS 3/4 HP SUMP PUMP & BASIN TO REMOVE STANDING WATER

C. ADD CORRECT R-VALUE INSULATION

D. APPLY A MOLD REMOVER TO KILL & PREVENT MOLD

E. ADD POLYCOVE TO DIVERT WATER WITH A QUIKFLO ICC APPROVED DRAIN PIPE SYSTEM

F. USE FLEXI-SEAL AS A MOISTURE BARRIER

G. DIMPLEDRAIN CAN ALSO BE USED AS A SUB-FLOOR IN CRAWL SPACES

H. TO REMOVE MOISTURE FROM THE AIR ADD AN APRILAIRE DEHUMIDIFIER