

TERRAFIRMA

FOUNDATION REPAIR GUIDE

You've Made the Right Call

Foundation issues like yours rarely happen overnight. They're the result of slow changes in soil, moisture, or stress over time. The important thing is that you've already made the right choice by bringing in the trusted professionals at TerraFirma to give you the peace of mind you deserve.

You called us because you understand that quick, cosmetic fixes don't last. **Your home deserves a long-term solution, installed the right way—**and that's exactly what we're here to deliver.



The TerraFirma Difference

Because you've scheduled with TerraFirma,
you're getting more than an inspection—
you're getting decades of proven experience
and a team that puts homeowners first.



**Trusted by
Homeowners
For Over 20 Years**



Remarkable Experiences:
Clear communication, clean
job sites, respectful crews



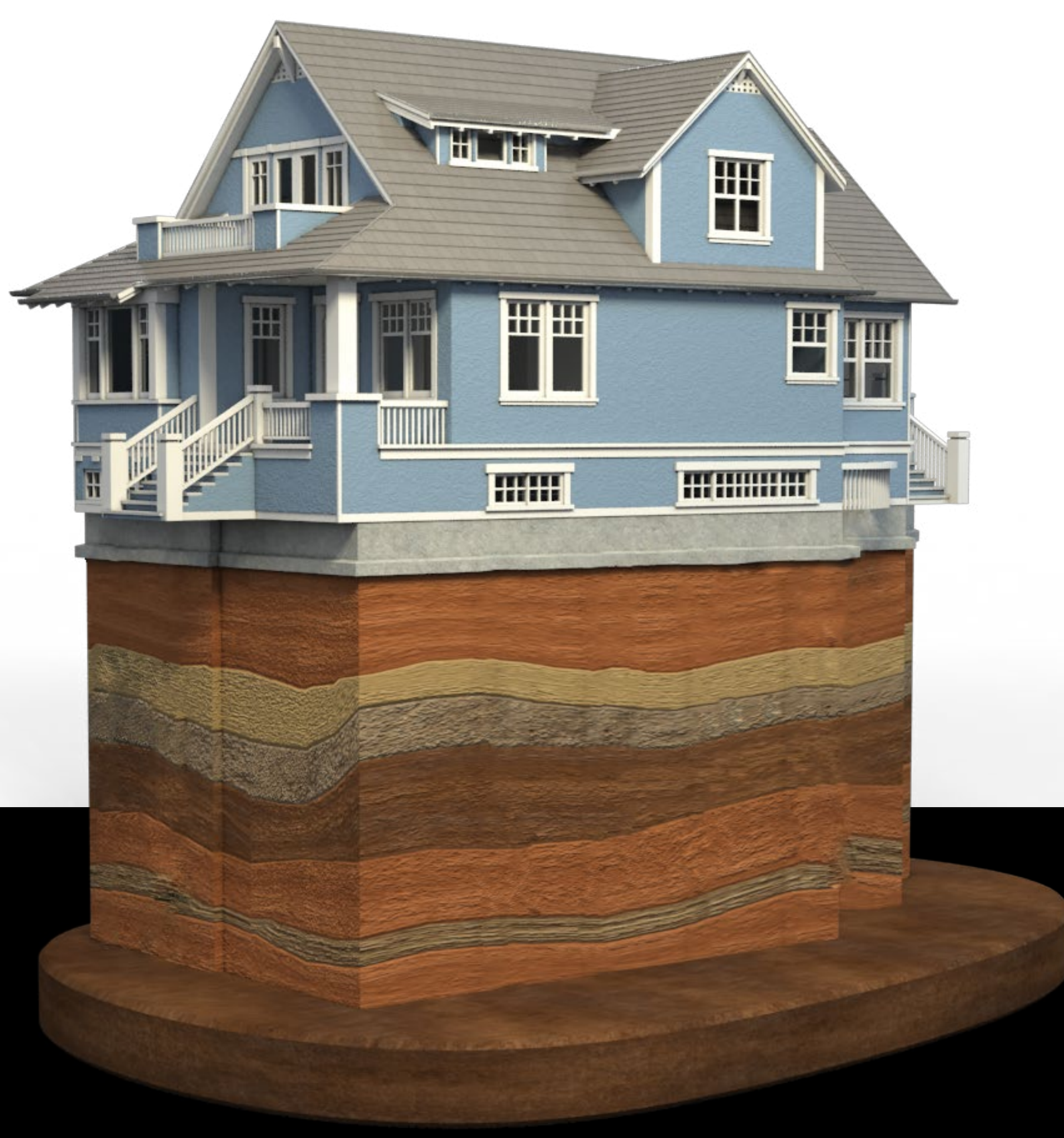
Proven Results:
Thousands of successful
repairs across the region



National Support:
Backed by the Foundation
Supportworks® Network

FOUNDATION & CRAWL SPACE PROBLEMS: IT'S ALL ABOUT THE SOIL

Your foundation supports your home—but what supports your foundation? The soil beneath it. Even the strongest foundation depends on stable ground, and when the soil below shifts, your home can begin to settle. Excess moisture, drought, and poor soil compaction can all cause the ground beneath your home to weaken, expand, or compress over time—putting stress on your foundation and the structure above it.



FOUNDATION SYMPTOMS

These soil problems lead to symptoms that may be visible throughout your home, including:

Sticking Interior Doors or Windows



Interior Cracks



Cracked Foundation Walls



Exterior Cracks



Gaps Between Ceilings & Walls



CRAWL SPACE FOUNDATION SYMPTOMS

In addition to soil stability issues, a crawl space foundation may be affected by excess humidity, causing supporting beams to rot, or by support columns that were spaced too far apart when your home was built, causing support beams or girders to sag.

These issues can lead to other interior signs of foundation distress, including:

Floors That Bounce or Slope



Gaps Between Floors & Baseboards



Musty Odors or Mold



Visible Wood Rot



We'll soon be out to diagnose the foundation or crawl space issues you called about. In the meantime, make note of anything you see—it helps your Design Specialist give you the most complete assessment.

Soil: The Real Culprit of Foundation & Crawl Space Problems



Expansive clay swells when wet and shrinks when dry, causing foundations to settle or crack.



Poor drainage allows water to collect around the home, softening soils and causing uneven settlement.



Extended dry periods pull moisture from the soil, creating voids that foundations can sink into.



Poorly compacted fill soils from the time your home was built can settle over time, causing foundation movement.

SOLUTIONS FOR FOUNDATION SETTLEMENT

Here's How TerraFirma Can Fix & Protect Your Foundation Permanently With Steel Piers

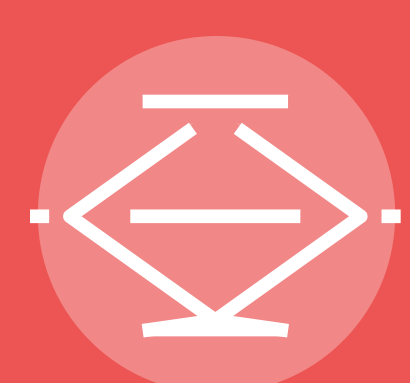


Steel piers are one of the most effective, long-term solutions for stabilizing a settling foundation because they transfer the weight of the home from unstable soil to deeper, load-bearing soil or bedrock. Engineered to reach greater depths and resist shifting soils, steel piers provide reliable, permanent support in changing soil conditions. Made with corrosion-resistant galvanized steel and installed with heavy-duty brackets, these systems are built for long-term durability. Plus, installation requires minimal disruption to your property. In many cases, steel piers can also lift the home back toward its original position, helping close cracks and improve sticking doors and windows.

Benefits of Stabilizing Foundations With Steel Piers



Permanent stabilization that prevents future settlement



Potential to lift your foundation back toward its original position



Deep anchoring below the active zone where soil movement occurs



Fast installation with minimal disruption to your yard



Galvanized steel components that will not rust



Backed by a 75-year transferrable warranty

SOLUTIONS FOR BASEMENT WALLS

Here's How TerraFirma Can Fix & Protect Your Basement Walls Permanently

Foundation wall problems can start small, but they rarely stay that way. Whether you're noticing cracks, bowing walls, or more serious structural issues, we can help. We offer a variety of proven repair solutions designed to stabilize your foundation walls and protect your home for the long haul. Your Design Specialist will recommend the best solution for your home, and our trained experts will make sure it's installed with care and precision.

Here are some of the reliable solutions we use to stabilize and protect foundation walls:



CarbonArmor® is a non-invasive solution that permanently stabilizes block foundation walls. Using carbon fiber straps as strong as steel yet flexible enough to fit bowed walls, the system helps prevent further inward movement. The straps are bonded to the wall with a high-strength epoxy, creating a strong, lasting hold.

Benefits of Stabilizing Basement Walls With CarbonArmor



Fast installation with minimal disruption



Thin and narrow strap is minimally invasive with maximum strength



Easily concealed or painted



The **PowerBrace™ System** permanently stabilizes basement walls. Zinc-plated steel I-beams run the full height of your foundation wall, are securely fastened to the concrete basement floor, and are attached to the floor joist cavity with our patented brackets.

Benefits of Stabilizing Basement Walls With PowerBrace



Effectively stabilizes block and poured concrete walls



No disturbance to lawn and landscaping



Can be tightened during dry seasons to straighten walls over time



The **GeoLock® System** uses heavy-duty earth anchors embedded in stable soil away from your foundation, which are then connected to steel anchors inside the basement walls with long, galvanized rods. Once tightened, the anchors hold the wall securely in place and even allow for the gradual straightening of the wall over time.

Benefits of Stabilizing Basement Walls With GeoLock Wall Anchors



Effectively stabilizes poured or block foundation walls



Galvanized steel resists corrosion

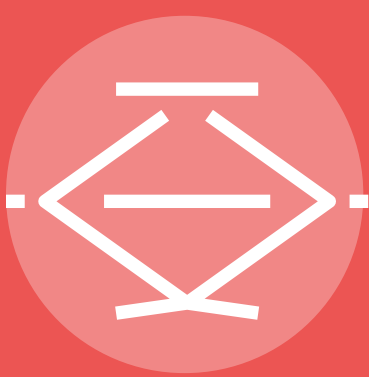


Can be tightened over time to straighten walls



The **EverBrace® Wall Restoration System** offers a strong, durable and affordable solution for failing or severely deteriorating foundation walls. Steel corrugated panels span between steel I-beams to strengthen the existing structure. A specialized rigid foam is injected behind the steel panels, filling voids between the existing wall and panels, transferring the load from the failing wall to the new support system.

Benefits of Restoring Basement Walls With EverBrace



Permanently stabilizes walls by restoring structural integrity



Can be concealed by drywall



Panels are customized to fit around windows, doors and other obstacles



Components are zinc-coated to resist corrosion



Steel trim covers edges and corners to create a finished look

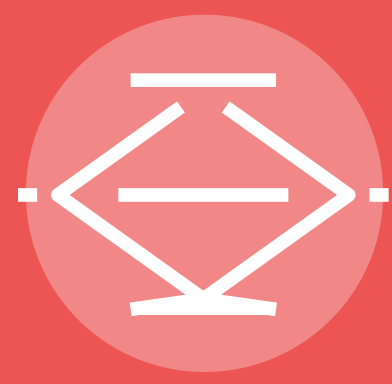
SOLUTIONS FOR CRAWL SPACE PROBLEMS

Here's How TerraFirma Can Fix & Protect Your Crawl Space Permanently



The **SmartJack® System** permanently stabilizes sagging floors by supporting the beams and floor joists in your crawl space. Built on a solid footing designed specifically for your home's structure and soil type, its adjustable steel columns can often lift floors back toward their original position.

Benefits of Stabilizing Floors With SmartJacks



Supports and lifts sagging floors



Engineered for exceptional strength and stability



Zinc-plated and galvanized components prevent rust



Can be adjusted over time as conditions change



Can fit virtually any crawl space



Crawl Space Encapsulation

fully encloses your crawl space in a waterproof plastic vapor barrier that protects it from moisture, mold growth, and pests while giving it a clean, finished appearance.

TerraFirma uses an encapsulation system featuring a fully sealed barrier to control humidity, prevent outside air and contaminants from entering, and keep insects and pests at bay.

Benefits of Encapsulating Your Home's Crawl Space



A dry, stable crawl space adds long-term value to your home.



Keeping moisture out makes your crawl space less inviting to termites and other pests.



Encapsulation helps your HVAC system work more efficiently, lowering energy costs.



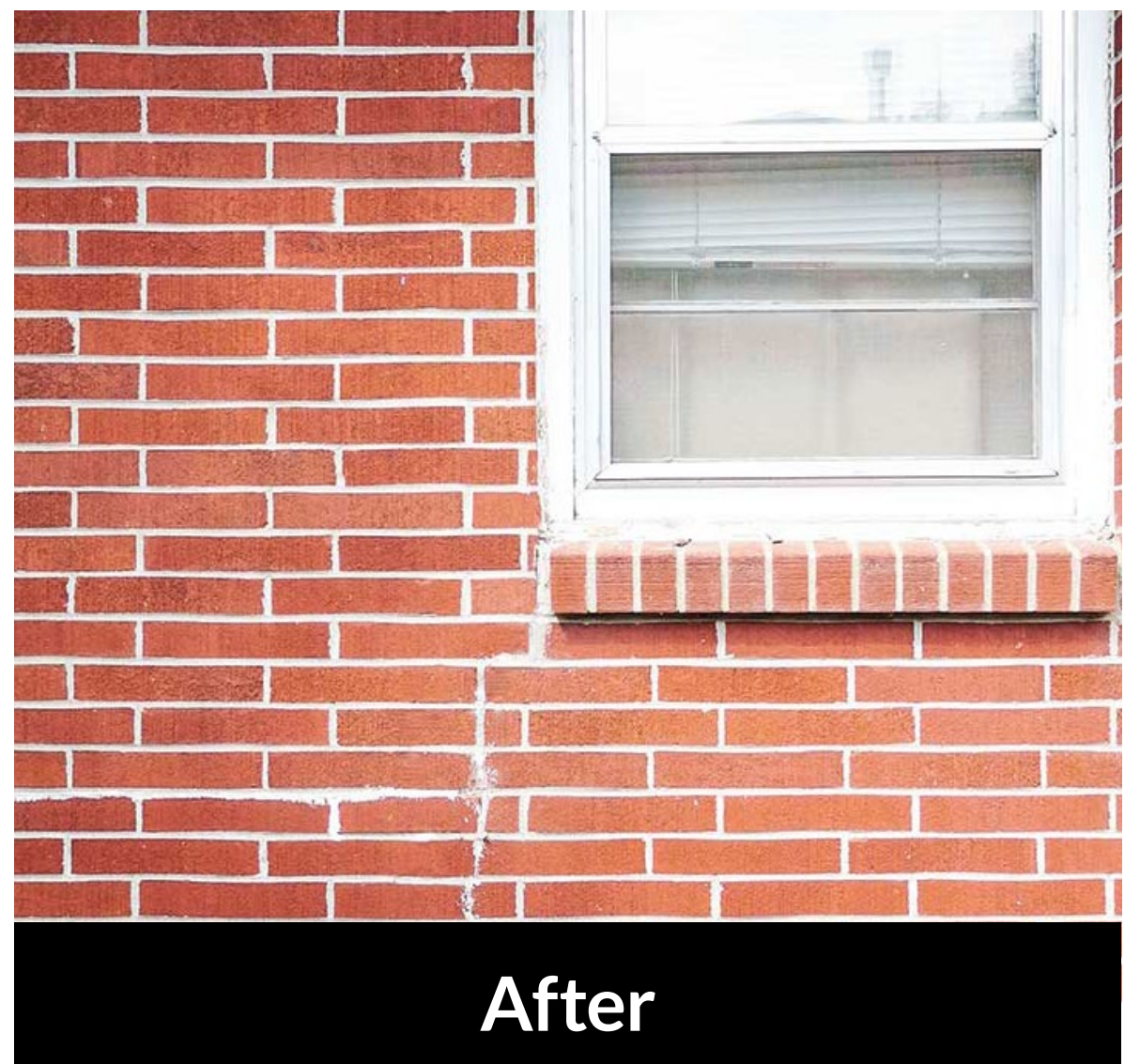
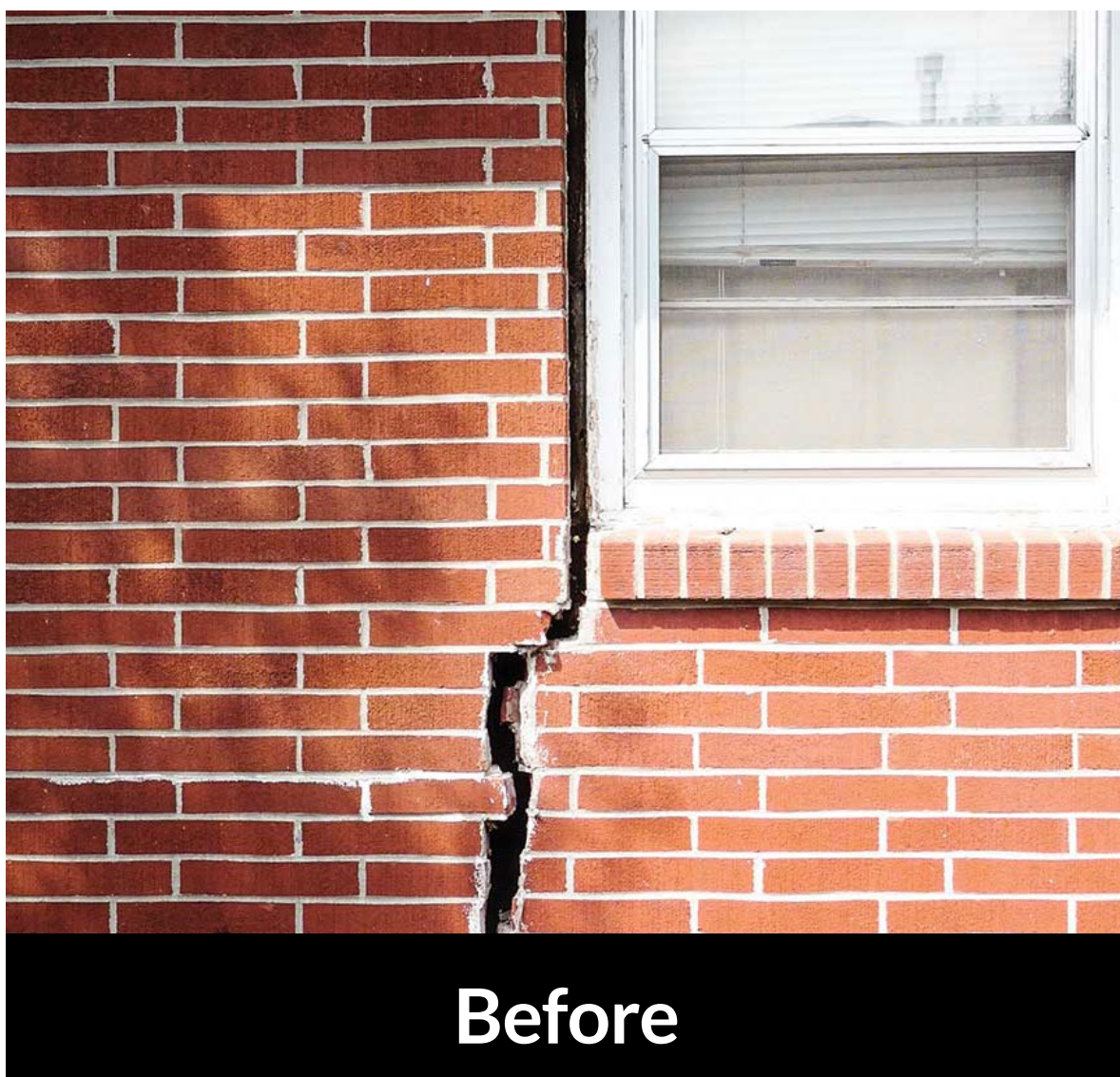
Sealing out humidity and mold helps create a healthier environment for your family.

Why Fix It Now?

Delaying repairs only makes problems worse—and more expensive.

Early action like you're taking does several things:

- ✔ Protects the value and safety of your home
- ✔ Restores your peace of mind right away
- ✔ Saves you money compared to larger repairs later
- ✔ Prevents small issues from becoming big problems



What to Look for in a Contractor

A true professional will provide:



A thorough inspection,
not just a quick glance



A detailed explanation of
the underlying problems



A detailed proposal
with transparent
pricing



Solutions backed by
engineering expertise
and strong warranties



A reputation built
on honesty, not
high-pressure sales

Contractors rarely check all these boxes, but they do exist. They're usually larger, well-established, and have hundreds of online reviews from satisfied customers.

ABOUT TERRAFIRMA



Since 2005, TerraFirma's team of foundation, basement, and concrete experts have kept homes safe, dry, and stable. We are trusted and referred by homeowners to provide solutions for home foundations, basement and crawl space moisture, concrete leveling, and earthquake retrofitting.

Our purpose is simple: to raise the standard of what foundation repair and waterproofing should be.

Every service we provide is backed by a detailed, transferable warranty—giving you confidence that your investment is protected for the long haul.

Hear From Our Customers

Read genuine feedback from those who chose us with confidence.



The crew at the Vancouver, TerraFirma did a great job!! Jacob Ittis did a great job presenting several options to resolve the crawl space issues, the main focus was on a bouncy floor and we opted to install a new beam with screw jacks. Jorge Valencia and his crew, Juan and Manuel did a great job installing the beam and screw jacks. They communicated exactly what was going to happen and when. They put flooring protection down and did a nice job at cleaning up at the end. I highly recommend TerraFirma and the crew of Jorge, Juan and Manuel to get the job done. TerraFirma will be my first call if I have anymore issues.”

- KURT N.



Terrafirma just completed the EverBrace wall system on our basement and we couldn't be happier. The house has stopped shaking when the tenant upstairs does laundry. Rocky, our project foreman was outstanding to work with. His communication was fantastic. The project site was well managed. He was always realistic about the daily impacts we might feel while the project was underway (it can get quite noisy) and he was able to flex the project noise level so it wouldn't impact our upstairs tenant. Sammy, their project coordinator, stayed in communication with me from the moment our contract was signed through the project completion.”

- JULIE B.

[READ MORE REVIEWS](#)

What We Do

While foundation or crawl space repair may be your focus today, TerraFirma provides a full range of services to keep your home or business safe, stable, and dry, including:



Foundation Repair



Crawl Space Repair



**Concrete Lifting
& Leveling**



**Basement
Waterproofing**



**Earthquake
Retrofitting**



YOUR UPCOMING APPOINTMENT

Here's what to expect:

1 **Inspection**

Your Design Specialist will conduct a complete and thorough inspection, which may take up to two hours. We kindly request that a homeowner is present for the entirety of the appointment.

2 **Diagnosis**

Your Design Specialist will then sit down with you and explain what they found in plain language.

3 **Solution**

You'll see customized options for repairing your home's foundation and/or crawl space.

4 **Proposal**

Finally, you'll receive a detailed proposal with clear pricing and no surprises—so by the time we leave, you'll know exactly what the problem is and how much it will cost to fix.

Smart Questions to Ask Your Design Specialist

- ✓ How does this solution address what's causing the problem?
- ✓ How long will the fix last?
- ✓ What kind of warranty comes with it?
- ✓ What will my property look like when the work is done?
- ✓ How quickly can the work be scheduled?

Local Care. National Strength.

As part of the nationwide Foundation Supportworks Network, TerraFirma has access to exclusive products, training, and engineering support that other contractors simply don't. That means you get local care and accountability, with the strength of a national leader behind every solution.



**Foundation
Supportworks®**

WE'LL SEE YOU SOON!

You made the right choice by calling us out to inspect your home's concrete and have these issues addressed sooner rather than later. We can't wait to see you and get started!

In the meantime, if you have any questions, please don't hesitate to call:

866.486.7196

TERRA  **FIRMA**®