

RHINO CARBON FIBER WALL SUPPORTS

THE #1 CARBON FIBER SOLUTION
ON THE MARKET!



www.RhinoCarbonFiber.com

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BLOCK
FOUNDATION



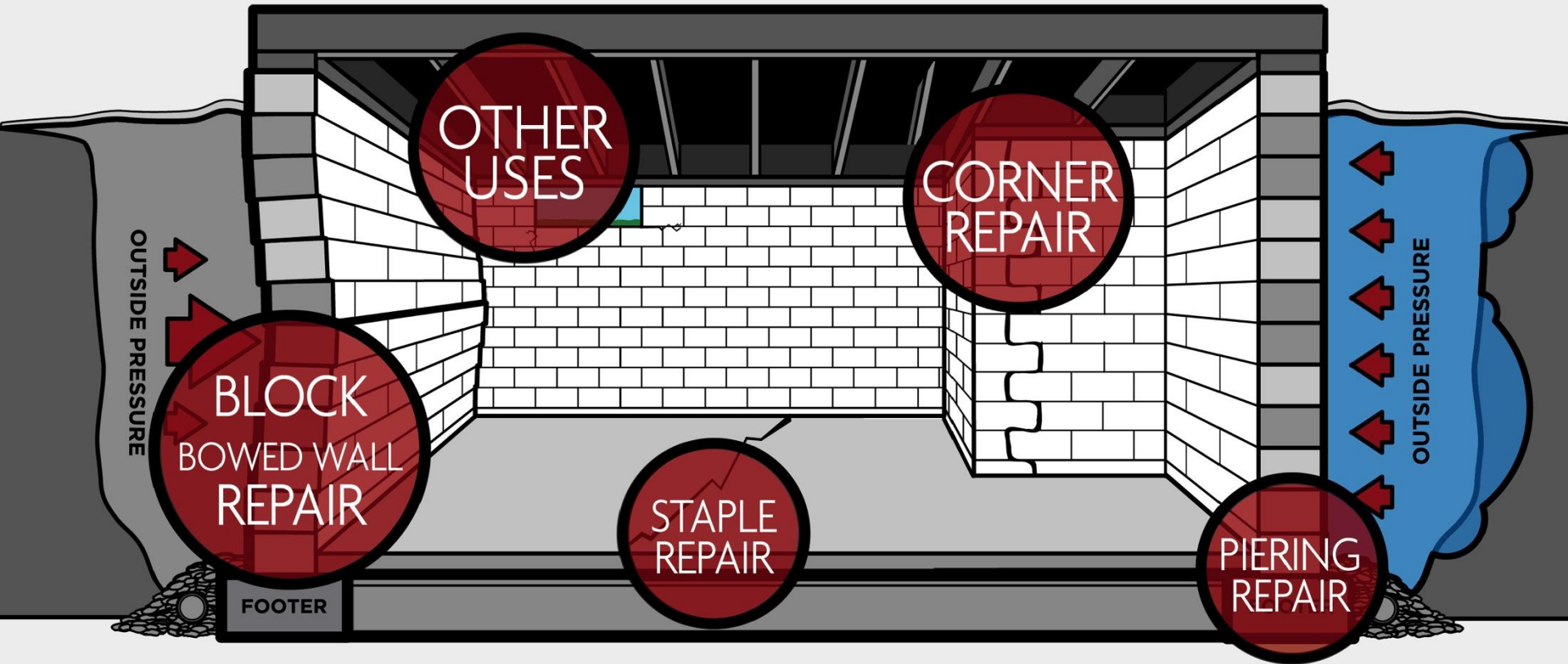
POURED
FOUNDATION



Click your foundation to begin...

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The Basement Environment.

To understand the cause of a foundation problem,
you must understand how a foundation is built and waterproofed.

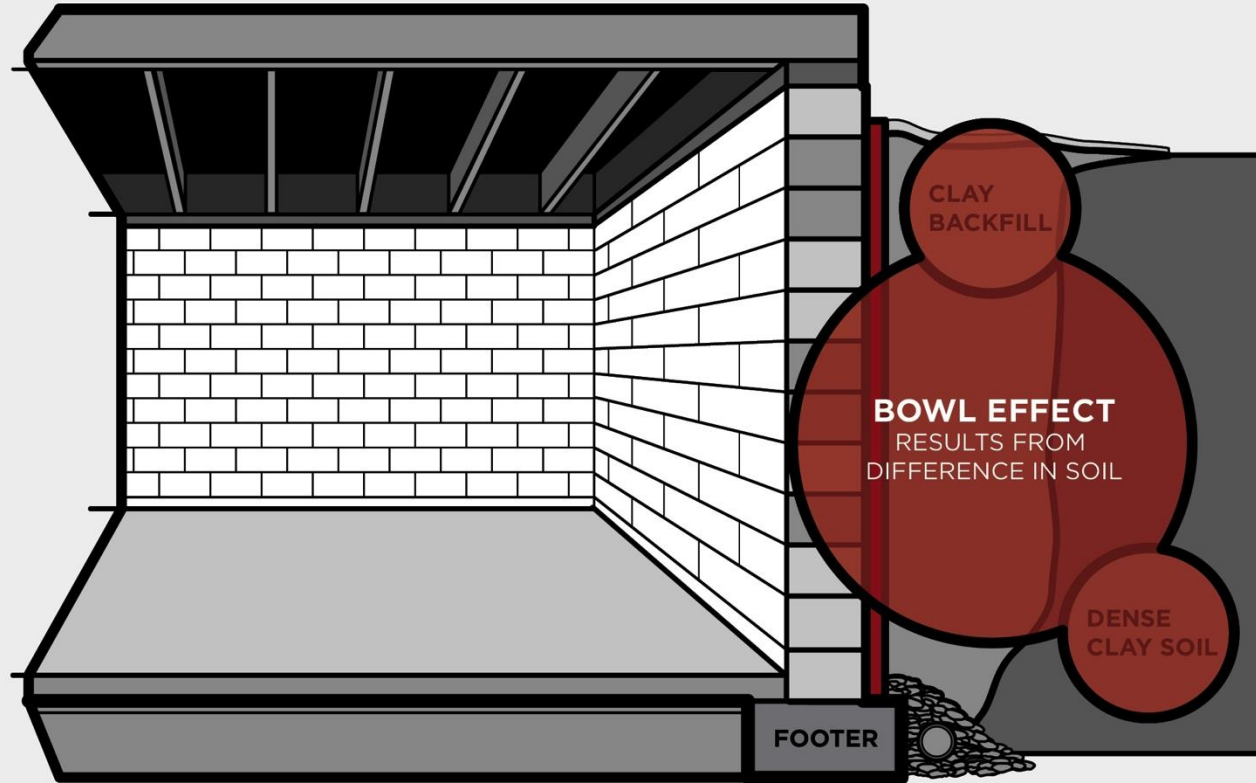
BOWL EFFECT

CLAY BACKFILL

Loose, disturbed soil

DENSE CLAY SOIL

Dense, undisturbed soil



4 Stages of Damage.

Soil Expansion & Cracks

Severe Inward Movement

Wall Shearing

Wall Replacement



STAGE 04

Wall replacement needed.



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Return On Investment.

Why is it financially beneficial for a home to have a solid, dry foundation?

FOUNDATION PROBLEMS

Basement waterproofing and foundation repair generate more than 100% return on investment.



CONSUMER REPORTS

BBB IMPROVEMENT GUIDE

Compliment
BASEMENT LEAKS

The basement of a home can be one of the most productive areas of the house. A dry basement provides a storage area for tools, toys, books, or storage, as well as valuable extra living space to the family because it's not used throughout the year. Conversely, a wet basement lowers the value of the whole house and is a source of constant disagreement for those attempting to sell it.

A homeowner who, after plans of installing a wet basement, suddenly realizes the problem, addresses a series of satisfaction demands by the other homeowner. Installing gutters to the house of foundation, however, when required, indicates whether to purchase a solution.

Basic causes of basement water leakage:

1. As the ground becomes saturated, the water may begin to flow, finding openings in the basement floor and seep into walls which are caused by the expansion and contraction of the cement.

Basement waterproofing does more than dry it up

The edge of Hurricane Digs... bringing with it heavy rains, basement water problems and a flood of calls to Everdry Waterproofing.

"Because of our size — we have offices throughout the region — we had no problem meeting the demand," said Paul Theocaris, marketing director. "Now we're getting a lot of work."

He notes that weather has no effect on the waterproofing process.

"In fact, the worst days of fall and the coldest months of winter are good times to have the work done. That's because a lot of property owners — like car owners —

will wait a certain develops before they take action."

Basement waterproofing has a series of benefits beyond ensuring annual maintenance. Theocaris explained.

"It's amazing how much use a basement gets once it's dried up. One of the most popular uses now is as a home office, a just closer's main office to put a computer, printer, fax machine, copier or other expensive office equipment in a safe, damp environment. Once we've done our work, there's no reason not to," Theocaris added.

Others create TV rooms, extra bedrooms, hobby centers or children's play rooms in the new-

ly dry space.

Yet another advantage is a dry basement is the value it adds to the average roof.

"In terms of value added to the sale price of the home, basement waterproofing gives an estimated 58 percent return on investment. That's according to a survey done by New Stellar magazine," Theocaris noted.

The company's patented waterproofing method carries a transferable lifetime warranty of the house (regardless of owner) warranty.

"We've been around since 1977, so our warranty is not just an empty sales pitch — it's a proven guarantee."



WET BASEMENTS

Property Value on a dry basement equals a \$20,000 difference versus a wet basement.



Fixing Bowed Walls.

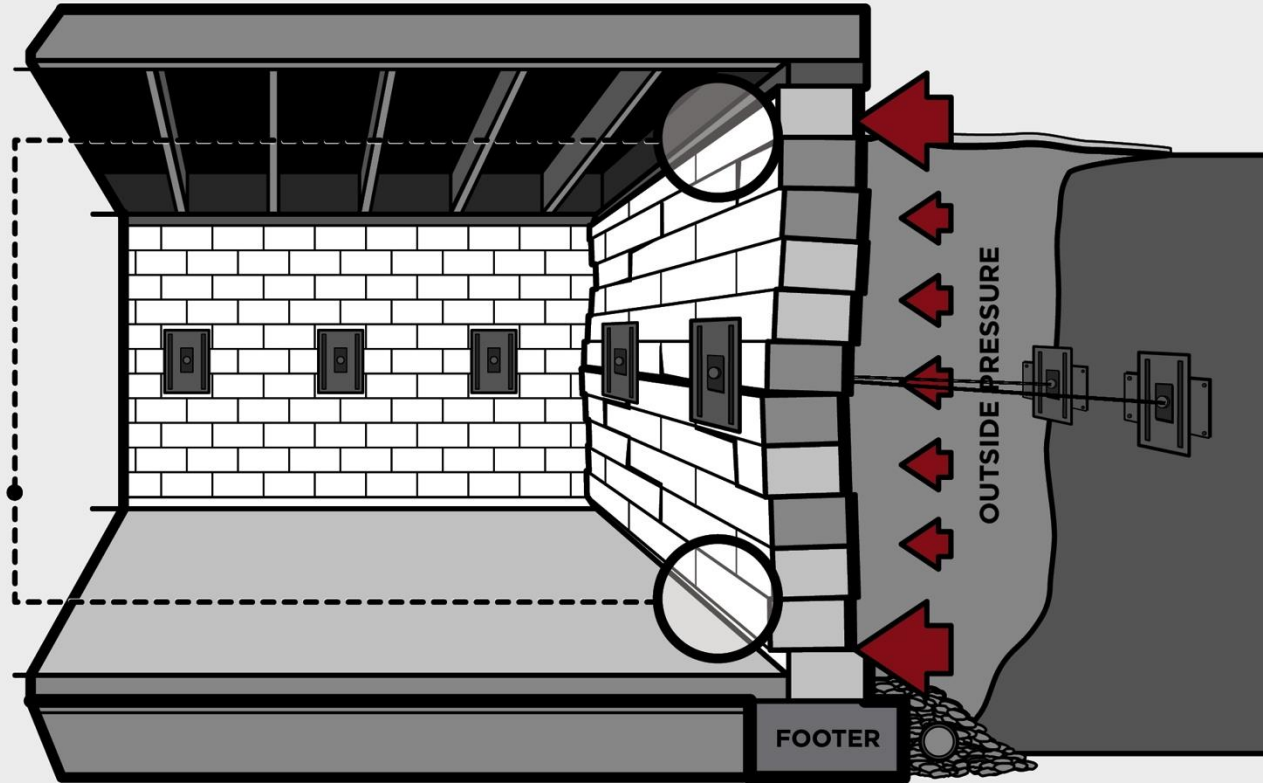
Four options include:

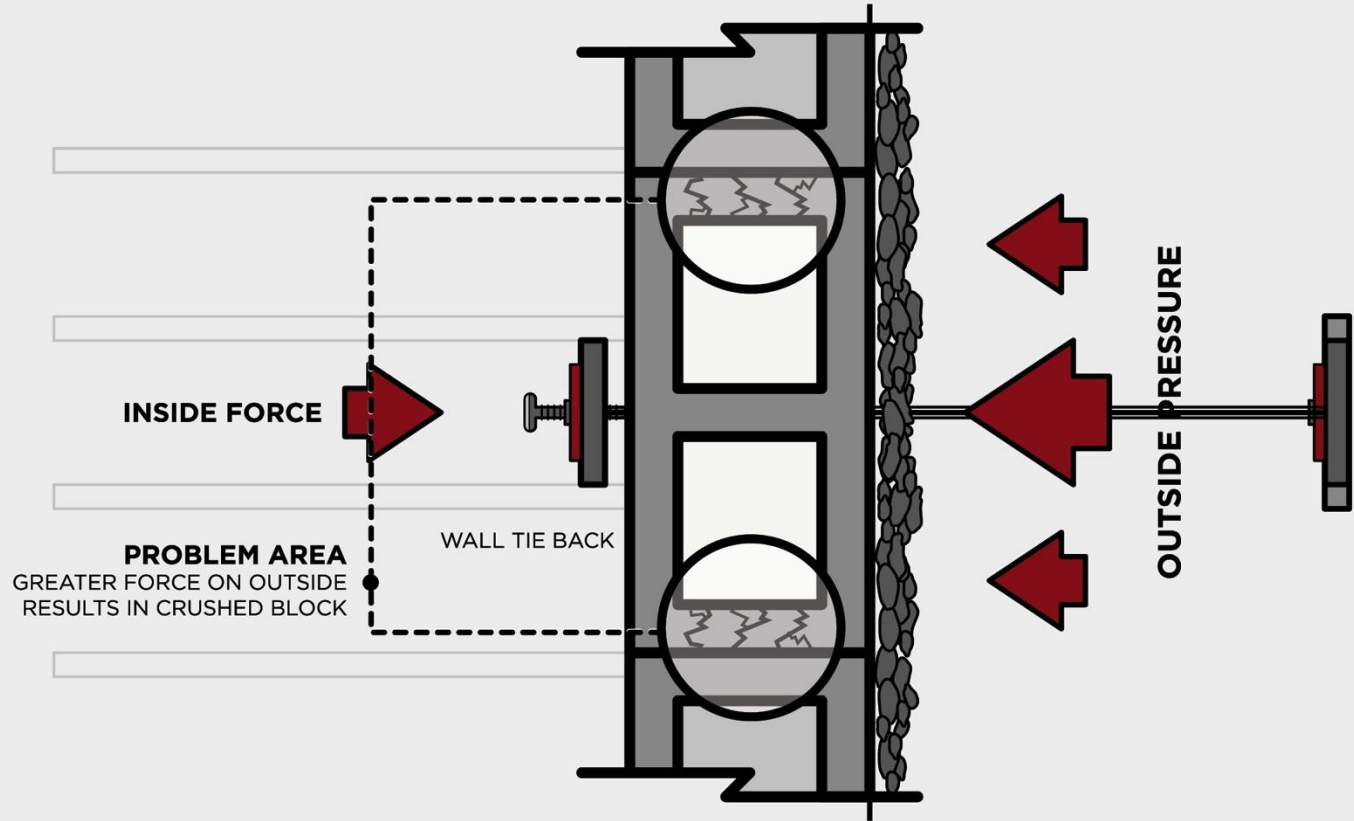
- Wall Tie Backs/Wall Anchors
- Beams
- Dig & Push Method
- Carbon Fiber

PROBLEM AREA
WALL SHEARING OCCURS

WALL TIE BACKS

- Expensive (\$\$\$)
- Bowed walls not straightened as stated
- Damaged concrete blocks
- Exterior excavation is necessary
- Aesthetics could be a concern for potential buyers
- Can't finish the basement





WALL TIE BACKS
TOP VIEW DIAGRAM



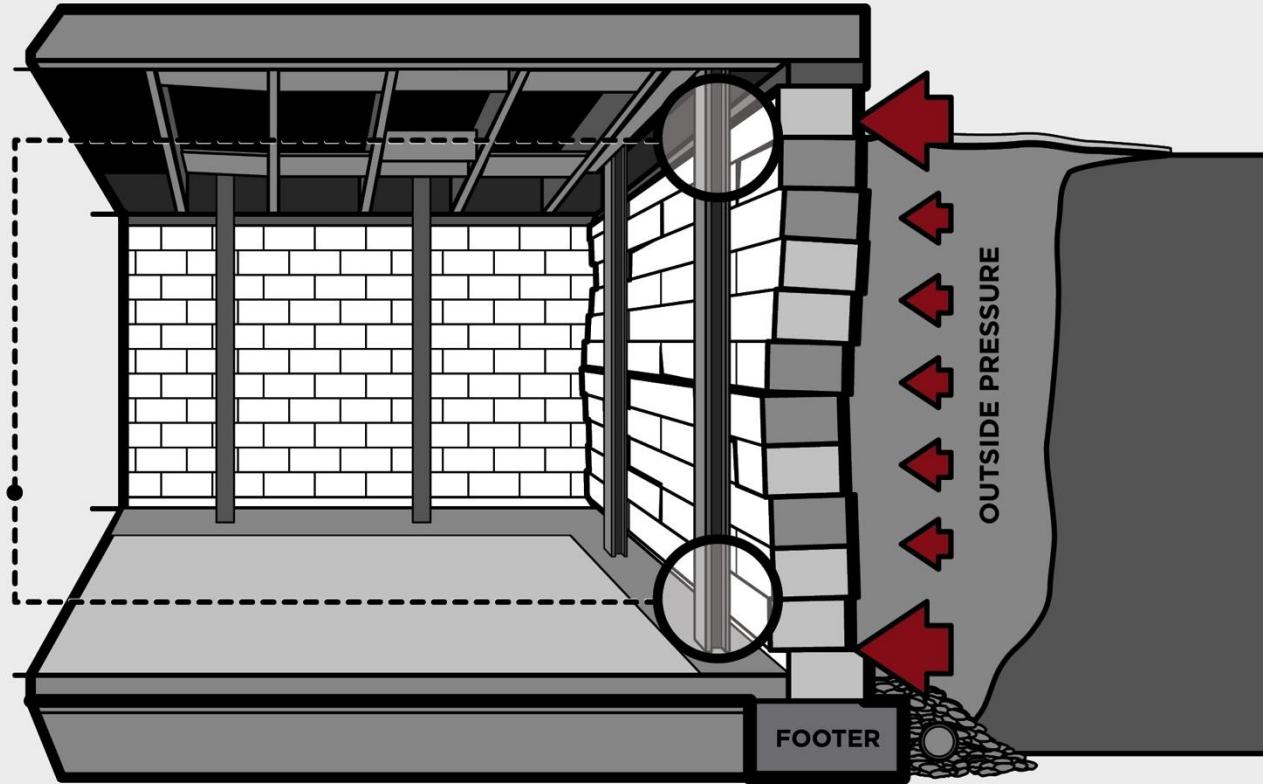
WALL TIE BACKS
WITH RHINO CARBON FIBER



PROBLEM AREA
WALL SHEARING OCCURS

STATIONARY BEAMS

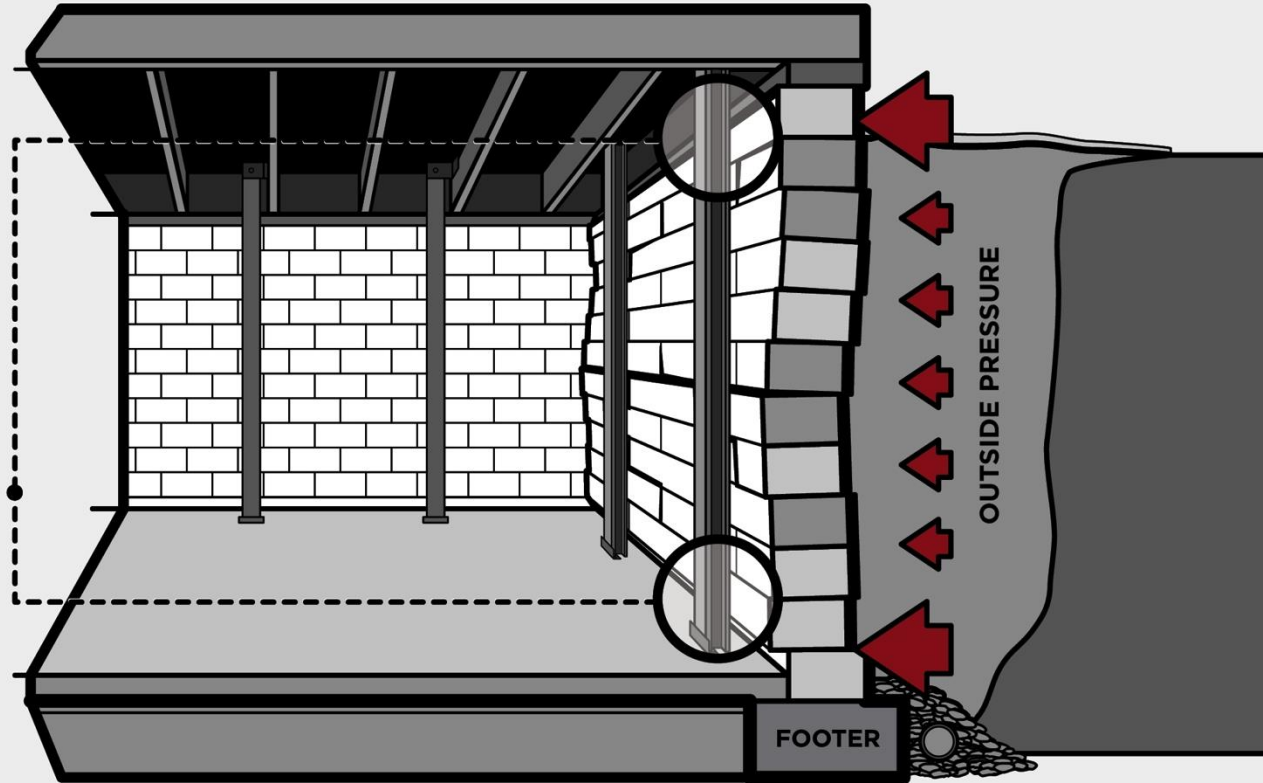
- Expensive (\$\$)
- Obtrusive beams stick out from wall
- Cracks in wall not fixed
- Decreased property value
- Steel flexers
- Loss of space
- Scary to prospective buyers

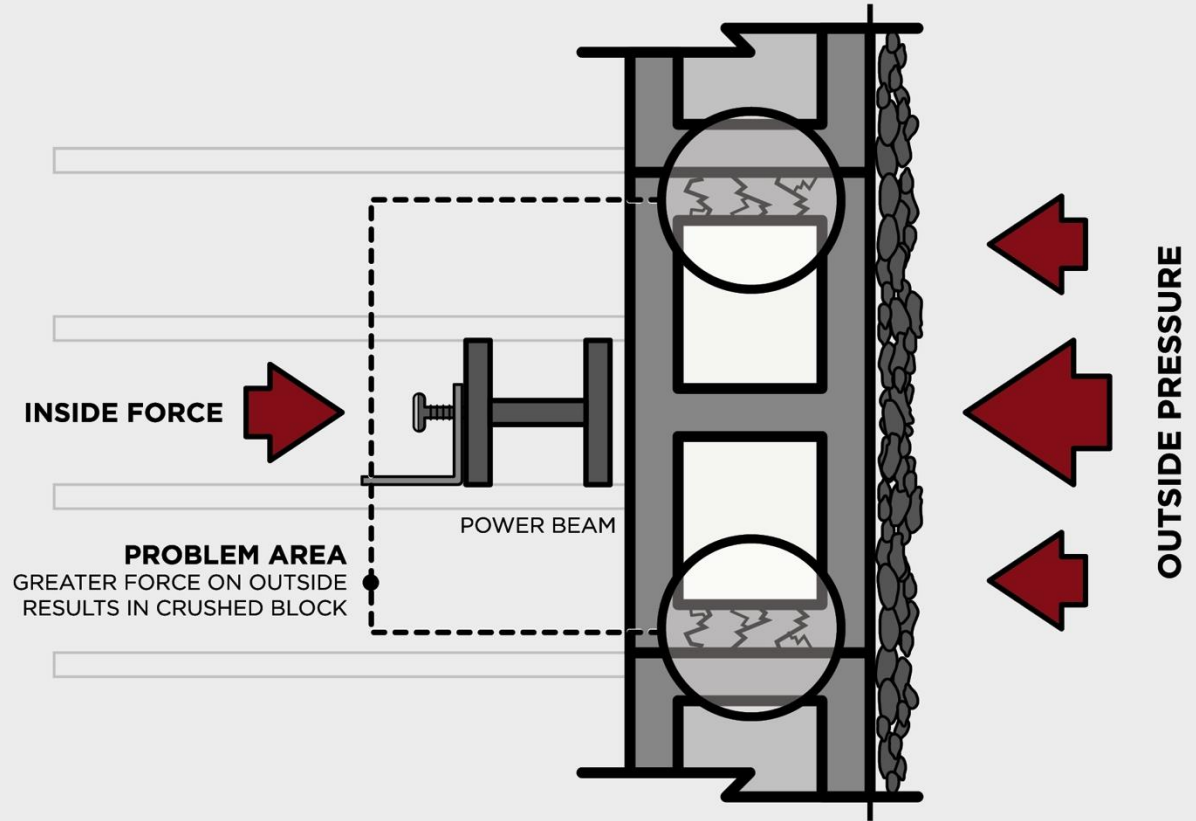


PROBLEM AREA
WALL SHEARING OCCURS

POWER BEAMS

- Expensive (\$\$\$)
- Obtrusive beams stick out from wall
- Cracks in wall not fixed
- Beams not secured to floor
- Increased pressure twists floor joists
- Decreased property value
- Wall won't move back
- Unable to finish because the beams





POWER BEAMS
TOP VIEW DIAGRAM

Nicole Bergman - Outlook Pandora Internet Radio PowerBrace - Foundation v x Rhino

www.foundationwallbrace.com

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POWER BRACE FOUNDATION WALL REINFORCEMENT

About PowerBrace Work Examples Contact PowerBrace

About PowerBrace

PowerBrace offers a permanent solution to fixing cracked or bowed walls due to the constant movement of soil. The Patented PowerBrace Brackets reverses the forces of nature by reinforcing the wall and over time can move the wall back to its original position with out excavation outside of the home or removal of concrete from the basement floor. Whether the foundation wall is built with block, tile, wood, or poured concrete Power Brace offers a permanent solution.

The PowerBrace Advantage

The Patented PowerBrace Brackets have revolutionized the use of steel I-beams to reinforce a bowing basement wall. I-beams have been used to reinforce basement bowing walls for decades but the with the help of the PowerBrace Brackets steel I-beams have been transformed into the most reliable foundation wall bracing system available. Unlike wall anchor systems that rely on the moving soil to stabilize a foundation wall, the PowerBrace utilizes the strength of the concrete floor and the floor joist to stabilize the foundation wall.

The bottom bracket of the PowerBrace simply uses two concrete anchors to hold the I-beam in place against the bottom of the foundation wall. The PowerBrace top bracket fastens in the floor joist and when a constant pressure is kept on the bracket the beam will slowly move the wall back to its original position with out any exterior excavation, except in extreme situations. Since the PowerBrace has contact with the wall from the basement floor up to

Customer Testimonials

PowerBrace was just what I was looking for. -Michael L. Sterk - Pella, IA

I am very pleased with the work you did. The crack along the long wall is almost closed up already. They did a fantastic job of cleaning up. Thank you! -Verna Coblentz - Millersburg, OH

I liked the price of PowerBrace and also that all of the work was done on the inside of the home. -Steve Riedy - Hops, KS

Thank you for selling us the PowerBrace. We are very pleased with the results. Actually, it saved our wall from caving in when we dugout the basement. Thanks for all of your help and information

-Don & Tammy Frey - Minera

We are impressed that our basement was straightened as much as it has that the wall has been corrected 65%. We did not expect such a Good Job!

-Bernard J. Knepp - Alliance,

I enjoyed the clear explanation of the PowerBrace system versus other systems.

-Kathy Kunkel - Mapleton, MN

The PowerBrace System was a great solution to our basement wall problem.

-Stacie Finestred - Urbanda,

Find A Dealer

Simply fill out the form below or call 866-375-9990 and we will have your local PowerBrace dealer contact you for a no obligation, free estimate.

First Name:

Last Name:

Street:

City:

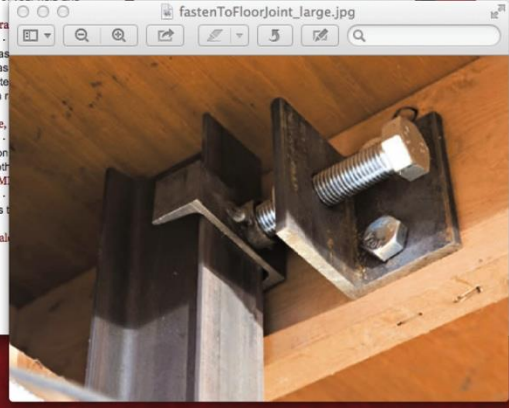
State / Zip:

Phone:

POWER BEAMS the most reliable product to POWER BRACE/THE FORCE

www.foundationwallbrace.com

www.thereinforcer.com



The Force structural tensio x

thereinforcer.com/the_force_j5.html

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The Force: Tension Loaded... A Brace Beyond The Rest

Experiencing Extreme Foundation Failure? Force the issue!

Extreme Failures Demand Extreme Force! The Force of Nature...

Reversed! Constant soil pressure and movement can lead to severely damaged concrete foundation walls ... buckling, cracking, and often worse. When this force of nature moves in, The Force structural bracing system, counteracts the stress!

The Force is a patented system structural tension-loaded, steel I-beam reinforcement system that is designed to straighten block or concrete walls over time. The Force is recommended in more extreme situations where bowing is in excess of 2-inches.

Unique Spring-Coil Design ... Applies 1,000 lbs. of Constant Force

Without excavation or homeowner assistance, The Force's unique spring-coil design helps straighten walls over time. Unlike other bracing systems, The Force utilizes a tension-loaded spring coil that applies a constant 1000-pound force on the wall.

During hot, dry weather conditions, concrete dries out, reducing its pressure. The Force's tension-load spring coil is structurally supporting the wall.

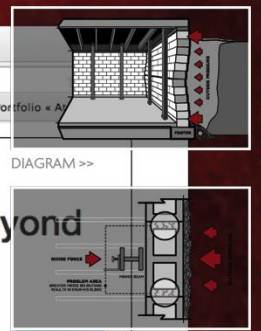
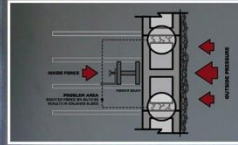




DIAGRAM >>



TOP VIEW >>

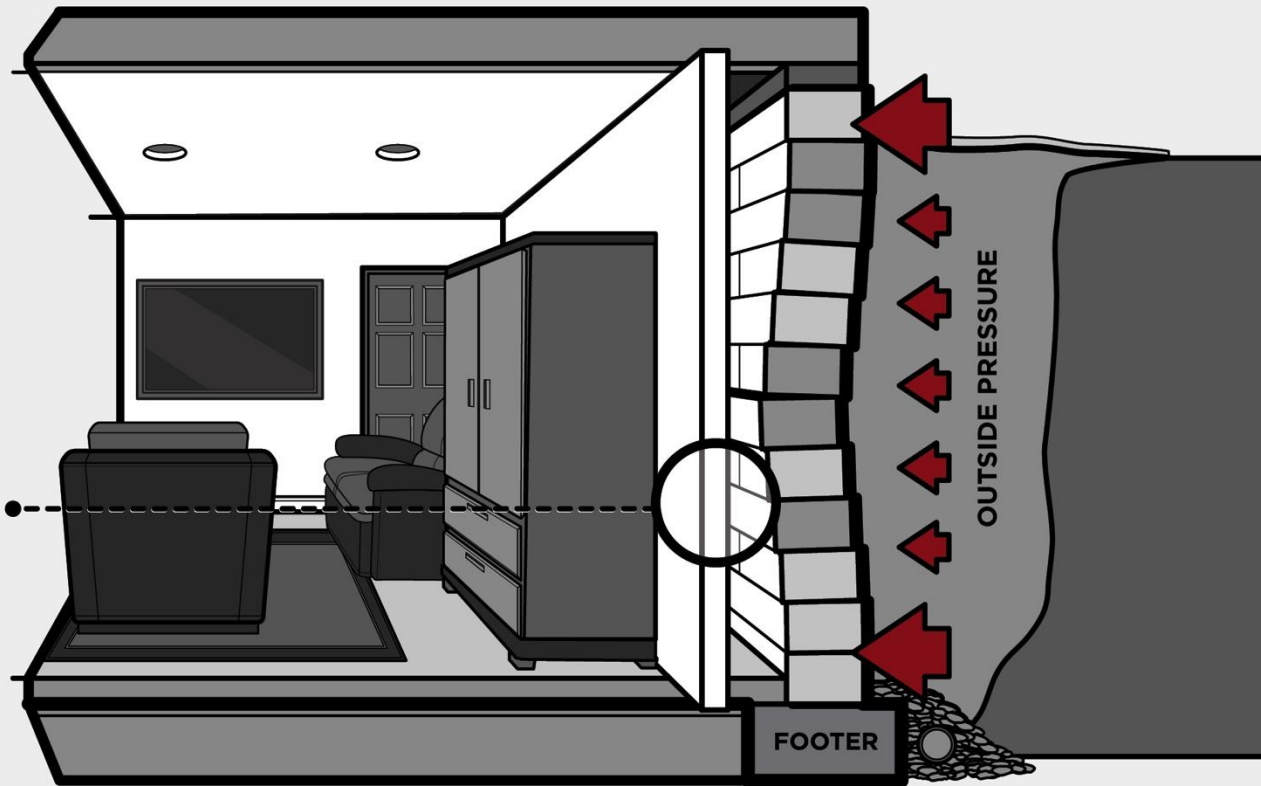


POWER BRACE
EXAMPLES

PROBLEM AREA
FINISHING SPACE DECREASED
DUE TO OBTRUSIVE BEAMS

FINISHING & POWER BEAMS

Square footage decreases when finishing your space due to obtrusive beams.





DIG & PUSH

- Expensive (\$\$\$)
- Obtrusive
- Difficult installation process
- Destructive to sidewalks, driveways, flowerbeds and yards



Carbon Fiber.

Strongest Wall Repair System Available.

No deterioration or rotting

No movement

Minimal intrusiveness

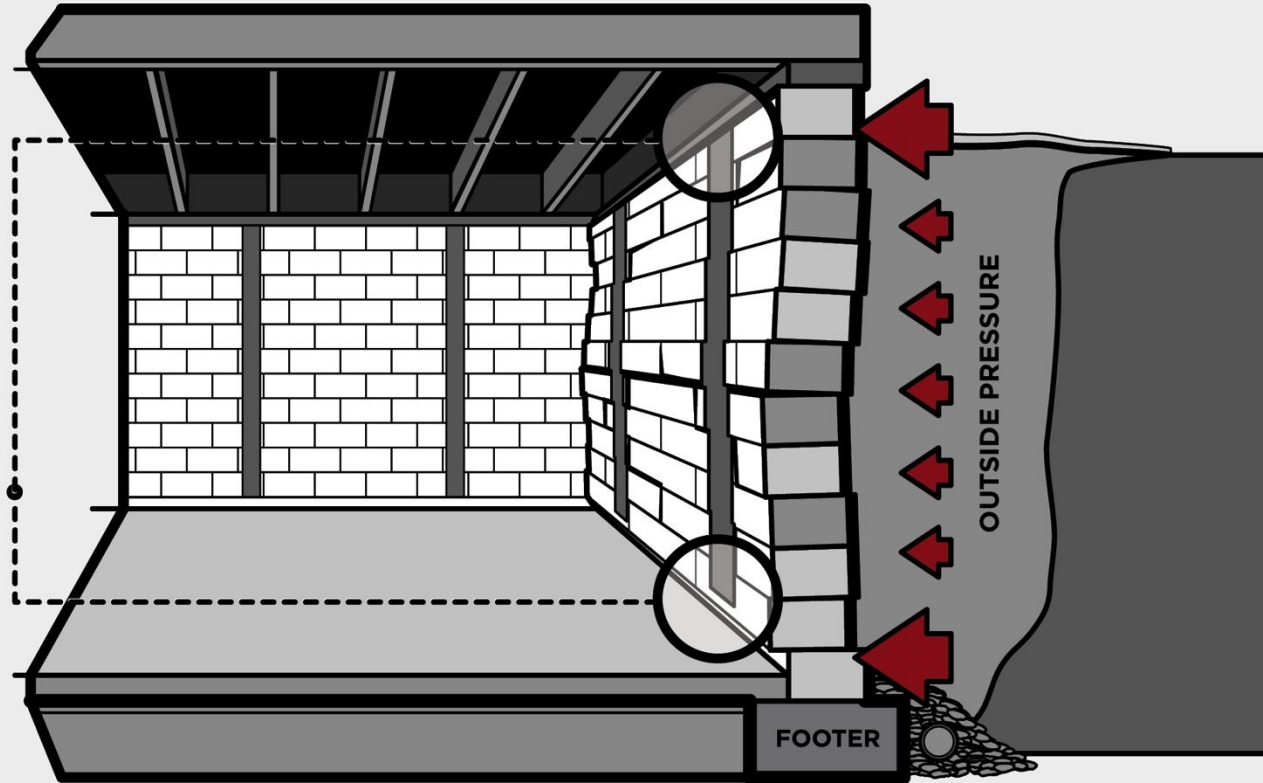
Fast, clean installation

Once again there are several options to choose from...

PROBLEM AREA
WALL SHEARING OCCURS

CARBON FIBER PLATES
4-5 INCH WIDE STRIPS

- No connection to sill plate or floor
- Damage continues at top/bottom of wall
- No horizontal strength
- No visible signs that plates are sealed to wall
- Epoxy difficult to apply



carbon fiber foundation cr x carbon fiber foundation cr x Rhino

thereinforcer.com/the_reinforcer_j2.html

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Home The Reinforcer Case Studies Company Information The Force The Terminator Design & Installation

Find an Installer Contact

The Reinforcer Carbon Fiber Concrete Reinforcement

What Is The Reinforcer® foundation wall stabilization system ?

The Reinforcer® composite system is a Fiber Reinforced Polymer (FRP) made of carbon fibers and an epoxy resin matrix specifically designed for strengthening and repair concrete and masonry.

How does The Reinforcer® work to keep basement walls from cracking?

When **THE REINFORCER®**, concrete reinforcement, is applied to foundation walls, it counteracts further wall buckling from outside pressure on the wall. Taking the tension force (or tensile load) that the basement wall cannot.

For every increase in pressure on the foundation wall, **THE REINFORCER®** supplies an equal and opposite resistant force making the wall stronger. It helps repair expanding, buckling, bowing, and cracking walls by using carbon fiber to strengthen the walls.

View our Independent Lab & Field Testing video

reinforcer_product.jpg



DIAGRAM >>

CARBON FIBER PLATES
THE REINFORCER

www.foundationwallbrace.com
www.thereinforcer.com



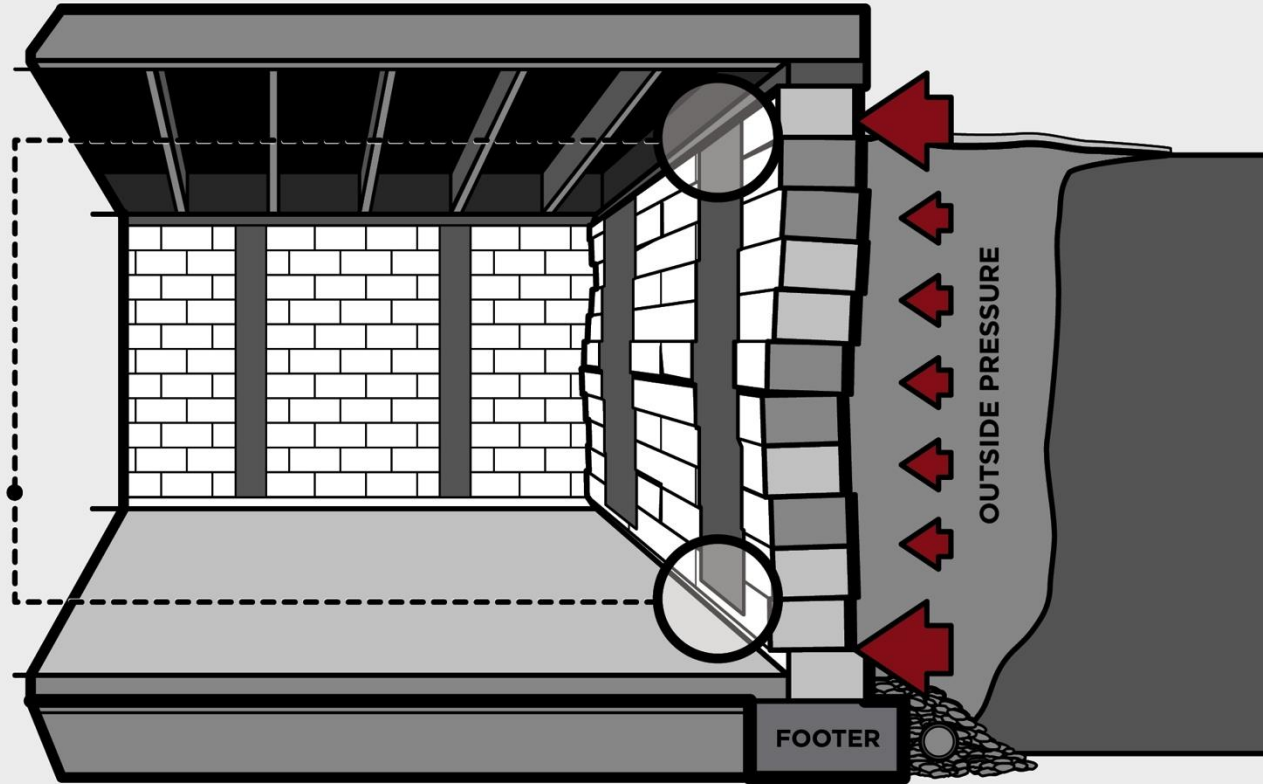
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PROBLEM AREA
WALL SHEARING OCCURS

CARBON FIBER SHEETS
12 INCH WIDE STRIPS

- No connection to sill plate or floor
- Damage continues at top/bottom of wall
- No horizontal strength
- Messy installation





CARBON FIBER SHEETS




stabilwallcarbonfiber.com

NO HASSLE! Return Policy
Order Your Repair Kit!
866-782-5955
 Visit Our Blog | Order Now!

Home How It Works + Advantages + Diagnose + Homeowners Contractors Gallery ^{NEW} FAQ Contact Us

Are Your Basement Walls Bowing?

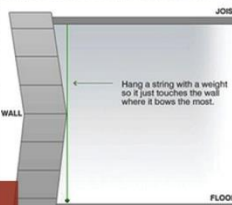
Get Your Repair Kit Today!



**Thin as a dime,
10X stronger than steel!**

CARBON FIBER SHEETS
STABLOWALL | FIBERLOCK

www.stabilwall.com
www.fiberlock.com



Can we help? x

Thanks for coming back. Is there anything I can do to help?

Message

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Marketing Toolbox - Fiberlock.com

www.fiberlock.com/marketingtools/

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Professional Products... Professional Results

Share / Save

Fiberlock TECHNOLOGIES
 Product Marketing Resources

A - F G - L M - R S - Z

Low Resolution Images: Right Click Image and Click Save As
 High Resolution Images: Click Download Button


A - F

ABC - Asbestos Binding Compound

6421-Off-White, 6422-Clear, 6423-Green

Asbestos Overview
 Asbestos Product Reference

PDS
 MSDS:
 • 6421 | 6422 | 6423
 Labels:
 • 6421 | 6422 | 6423
 10 Point Specification



More About Fiberlock

Quick Links
 Contact Us
 Where to Buy

Products by Industry
 Mold Remediation
 Lead Abatement
 Asbestos Abatement
 Healthcare
 Disaster Restoration
 JanSan

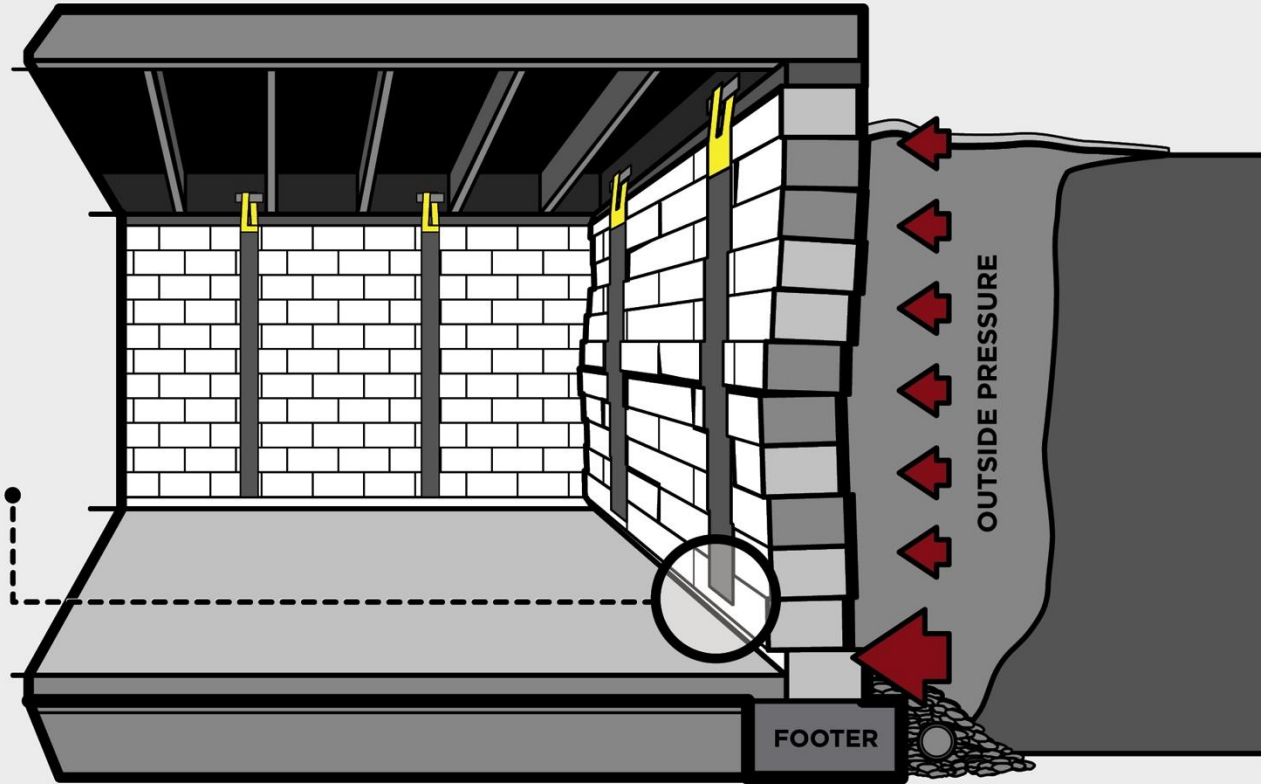
Resources (Regulations and Guidelines)
 S520
 EPA
 CDC
 IAQA
 VOC Guidelines
 Green Products



PROBLEM AREA
WALL SHEARING OCCURS

CARBON FIBER KEVLAR WEAVE
5 INCH WIDE STRIPS

- Movement at necktie attachment
- No connection to floor
- Damage continues at top/bottom of wall
- Minimal horizontal strength



Fortress Stabilization's carbon-fiber kevlar sheet product line for construction applications

http://www.fortressstabilization.com/products.php

Google Maps

Anchoring Fou... PowerBrace.ne... Basement wall ... Foundation Re... Fortress Stabil...

FORTRESS STABILIZATION SYSTEMS

STRUCTURAL COMPOSITE TECHNOLOGY FROM BRIDGES TO BASEMENTS

HOME COMPANY PRODUCTS PRODUCT USE CONTACT

Products

Fortress Stabilization Systems offers a host of innovative and effective products for the repair and reinforcement of concrete and other structural components for the residential and commercial construction industry.

Homeowners Foundation Issues
Learn about the common foundation and concrete repair issues homeowner face.

Carbon Fiber Grids
For Concrete Applications in Commercial Settings.

Carbon Fiber Grids
For Decorative Concrete Overlays

Reinforcement and Concrete Repair
Carbon-fiber technologies in concrete repair

Foundation Repair
Carbon-fiber technologies in foundation repair applications


Concrete Reinforcement
Carbon-fiber technologies and reinforcement of concrete

Bowed Basement Walls
Carbon-fiber technologies application in the reinforcement of bowed basement walls

Case Studies. Explore the many uses and applications

COUNTERSUNK STAPLE
Crack Control Stitching System


Fortress Stabilization Systems is please to announce our **new countersunk staple**. Designed to be used with a Concrete Slotter. This Pre-Preg Precured Staple is faster to install and easy to cover. Use less Epoxy resin and improves overall staple procedure.



[Read More >](#)

KEVLAR NECKTIE
Top Wall Anchoring System


Fortress Kevlar Necktie is an Aramid Composite webbing combined with an aluminum bracket and zinc coated lags that laminates into 4020 epoxy resin system. Half of the Aramid webbing is traditional fabric, the other half is pre-preg pre-cured with peel-ply which laminates to the foundation assuring entire strap will load in conjunction. It is designed to attach ...



[Read More >](#)

T-ANCHOR
CARBON FIBER KEVLAR

A pre-cured 90°L-anchor 2" X 2" with 5 carbon tows cross woven with Kevlar. This can be used as an



TOWSHEET
UNIDIRECTIONAL CARBON FIBER

Carbon Fiber Cloth or Tow Sheet standard unidirectional weave. 150 gsm, 200 gsm or 600 gsm



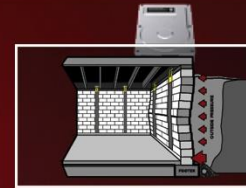


DIAGRAM >>

CARBON FIBER KEVLAR WEAVE
FORTRESS STABILIZATION SYSTEMS

www.fortressstabilization.com

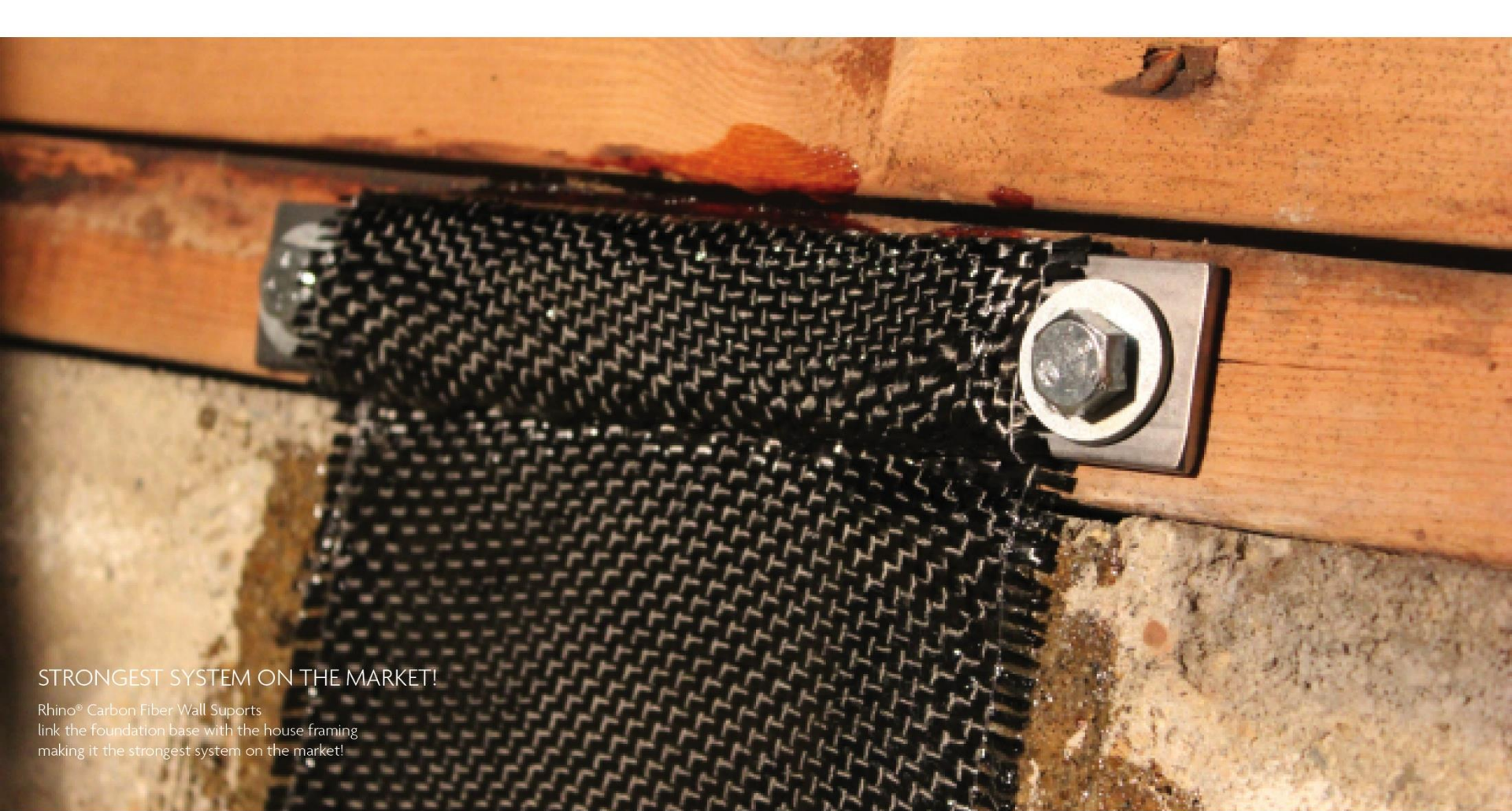


www.RhinoCarbonFiber.com

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The Most Advanced System Available.

All problems associated with Carbon Fiber have been solved.



STRONGEST SYSTEM ON THE MARKET!

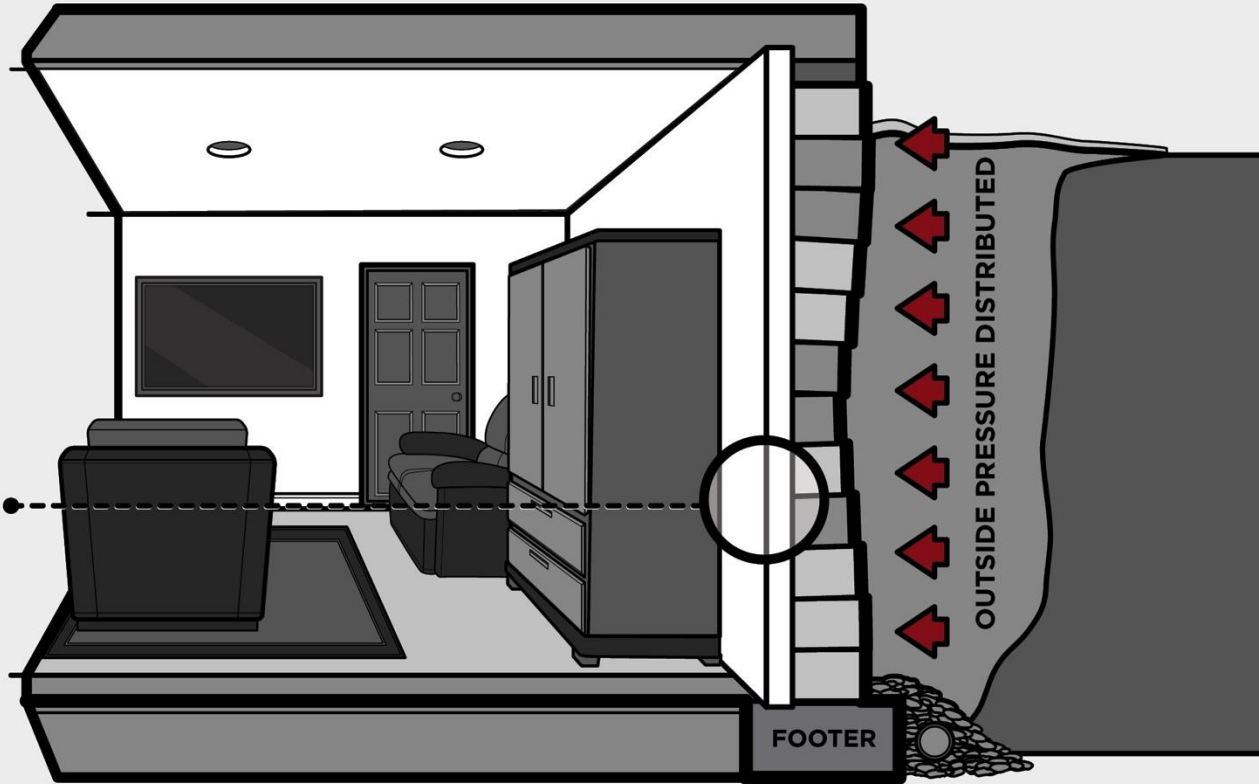
Rhino® Carbon Fiber Wall Supports
link the foundation base with the house framing
making it the strongest system on the market!



www.RhinoCarbonFiber.com

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SAVE SPACE
SQUARE FOOTAGE INCREASED
VERSUS POWER BEAMS



RHINO® CARBON FIBER

Rhino® Carbon Fiber can easily be painted to help prevent aesthetic problems with potential buyers...

or covered with white wall panels!





FAST, CLEAN INSTALLATION

- Prep Wall
- Mount Sill Plate Bracket
- Epoxy To Foundation
- Anchor to Footer



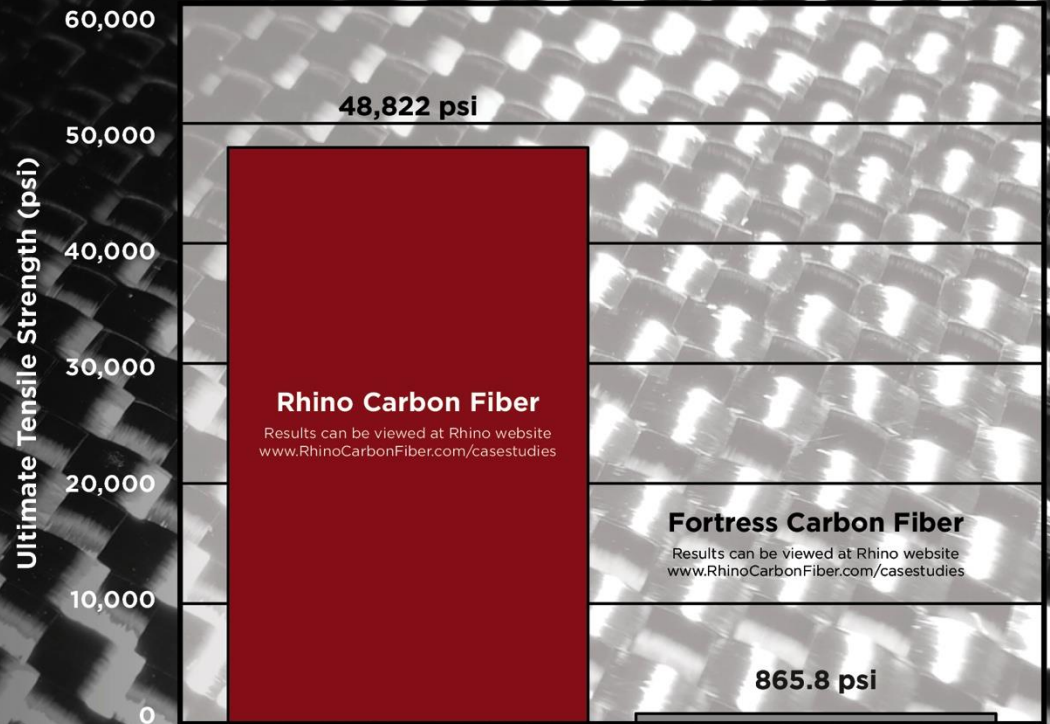
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HORIZONTAL TENSION TESTING

We offer the best products through research and testing. Our R&D team works with third party vendors to test our products to ensure the highest quality available.

We will help to complete any other testing you require.





LIFETIME PRODUCT WARRANTY

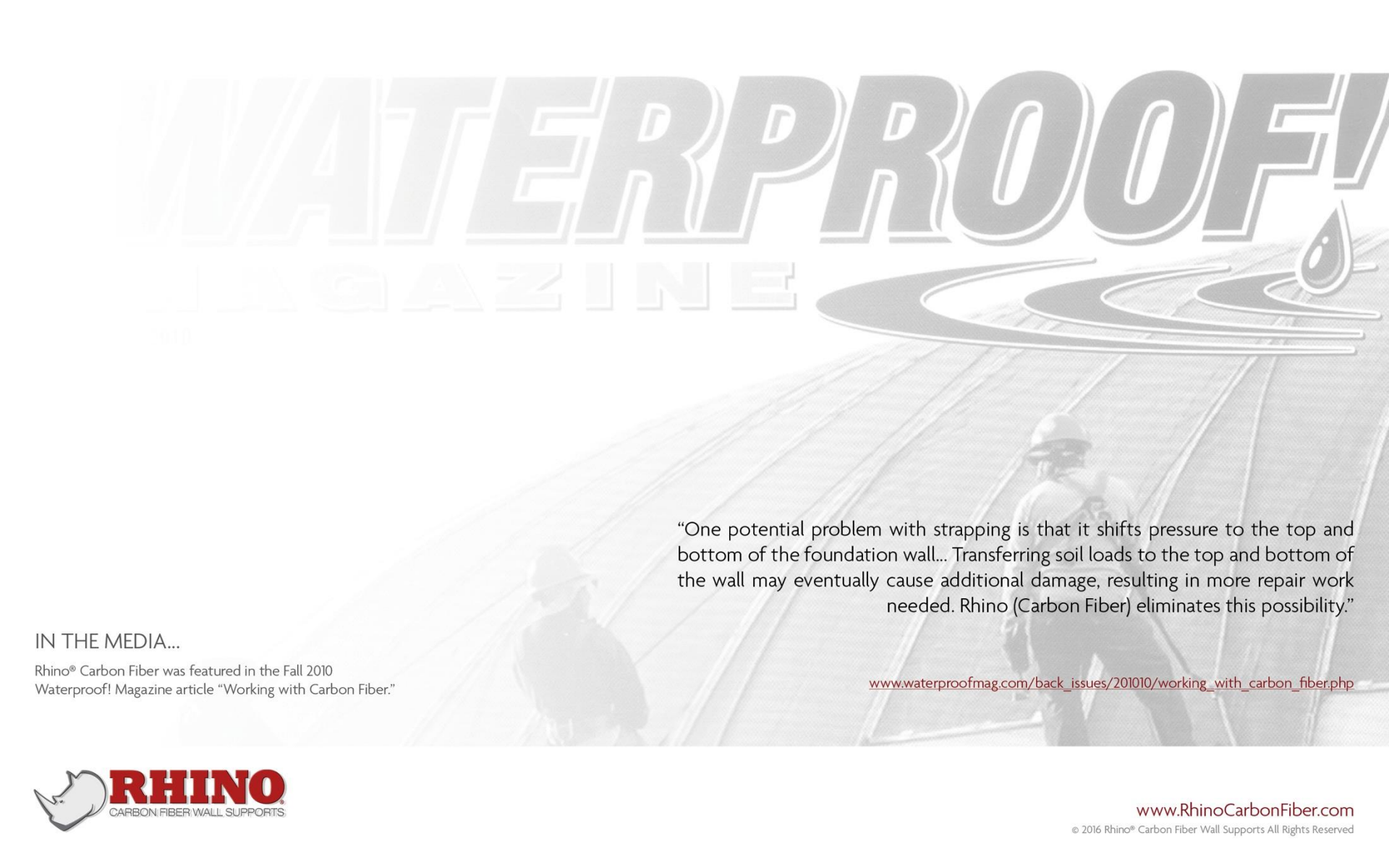
Rhino® Carbon Fiber is warranted for the life of the structure. The warranty covers the foundation walls against any further inward movement in areas the product is installed. If issues occur, materials and labor will be replaced at no charge.

Terms and conditions apply.



WATERPROOF!

MAGAZINE



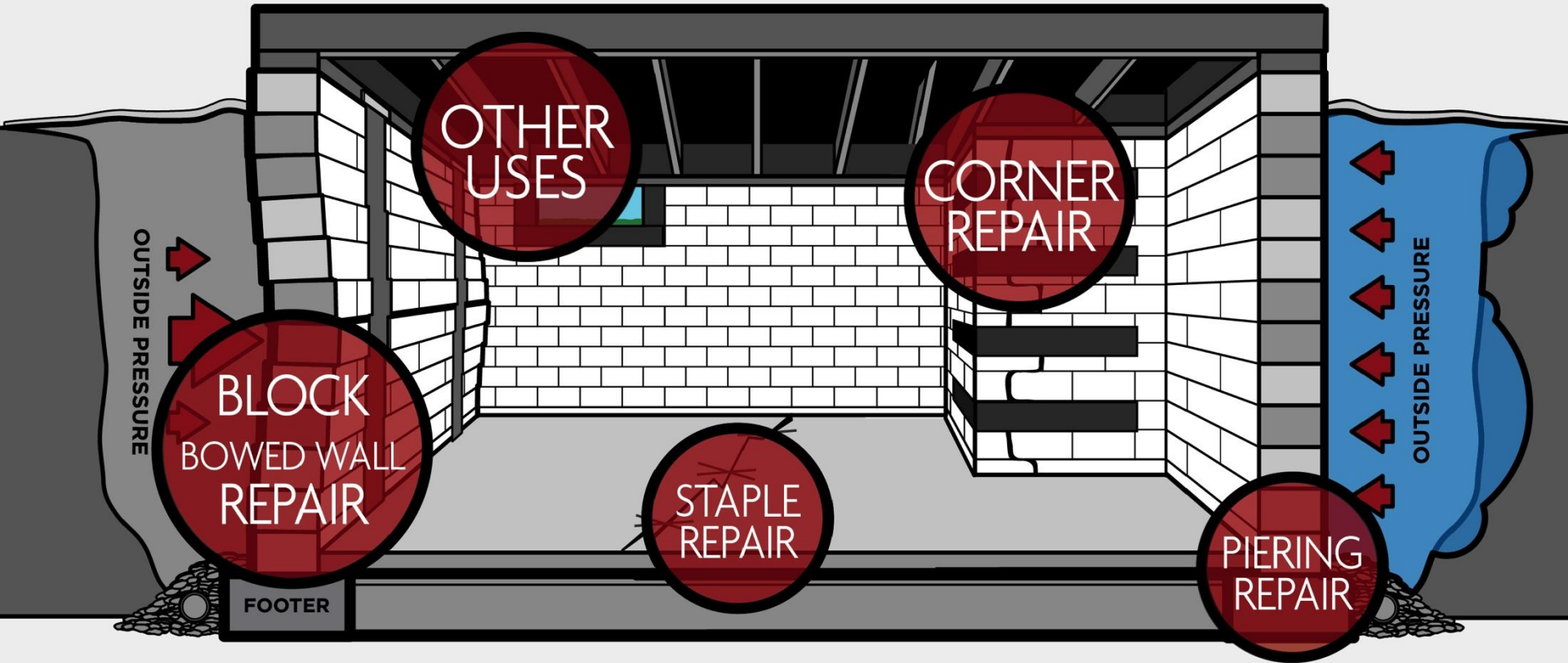
“One potential problem with strapping is that it shifts pressure to the top and bottom of the foundation wall... Transferring soil loads to the top and bottom of the wall may eventually cause additional damage, resulting in more repair work needed. Rhino (Carbon Fiber) eliminates this possibility.”

IN THE MEDIA...

Rhino® Carbon Fiber was featured in the Fall 2010 Waterproof! Magazine article “Working with Carbon Fiber.”

www.waterproofmag.com/back_issues/201010/working_with_carbon_fiber.php



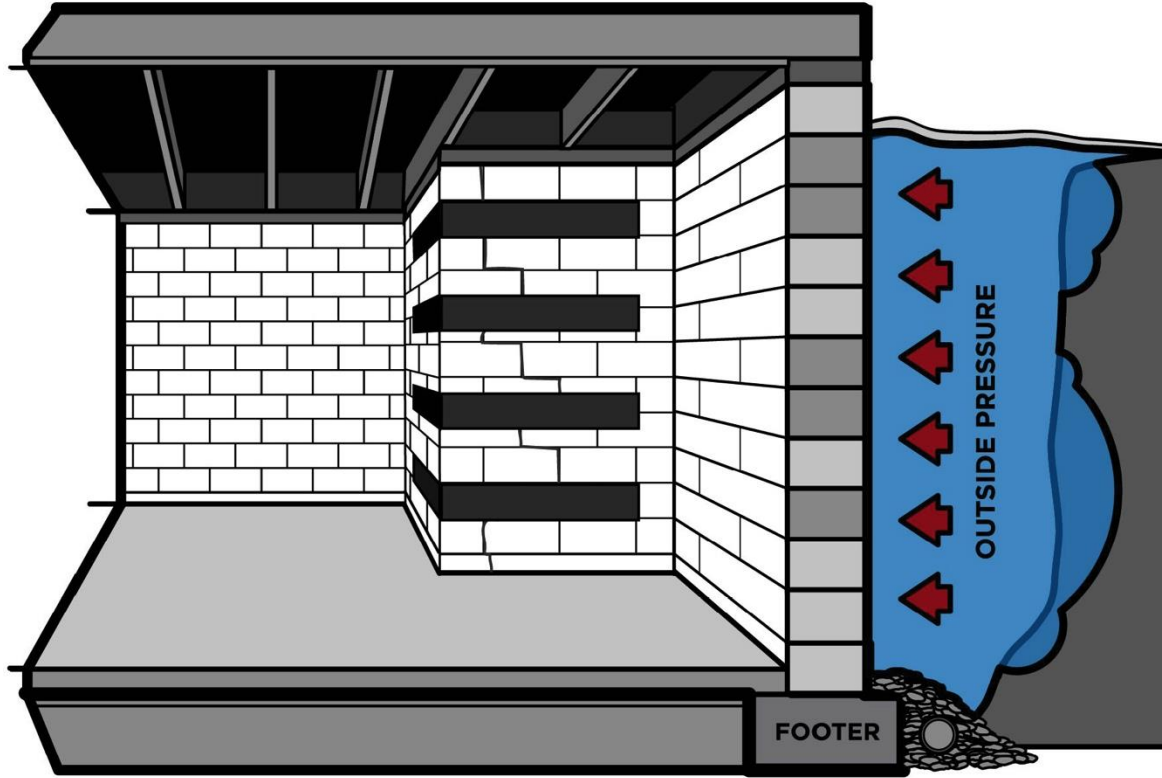


Corner Wall Repair

The only carbon fiber system that structurally repairs the corners in your foundation wall and prevents future cracks.

CORNER REPAIR SOLUTION

- Distributes the pressure horizontally to correct and prevent future damage
- Works on block and poured walls





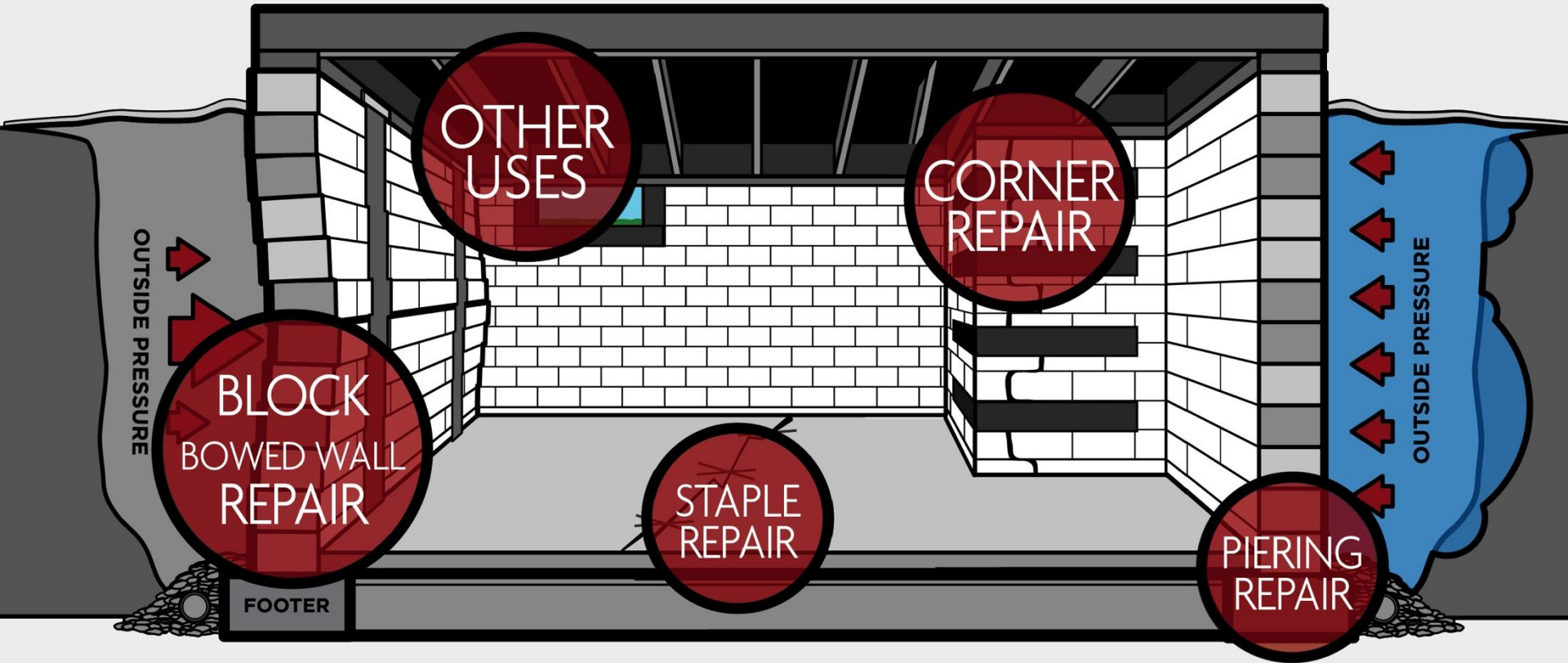
CORNER REPAIR SOLUTION

Use Rhino® Carbon Fiber Wall Supports to fix bowing corners of your foundation.



www.RhinoCarbonFiber.com

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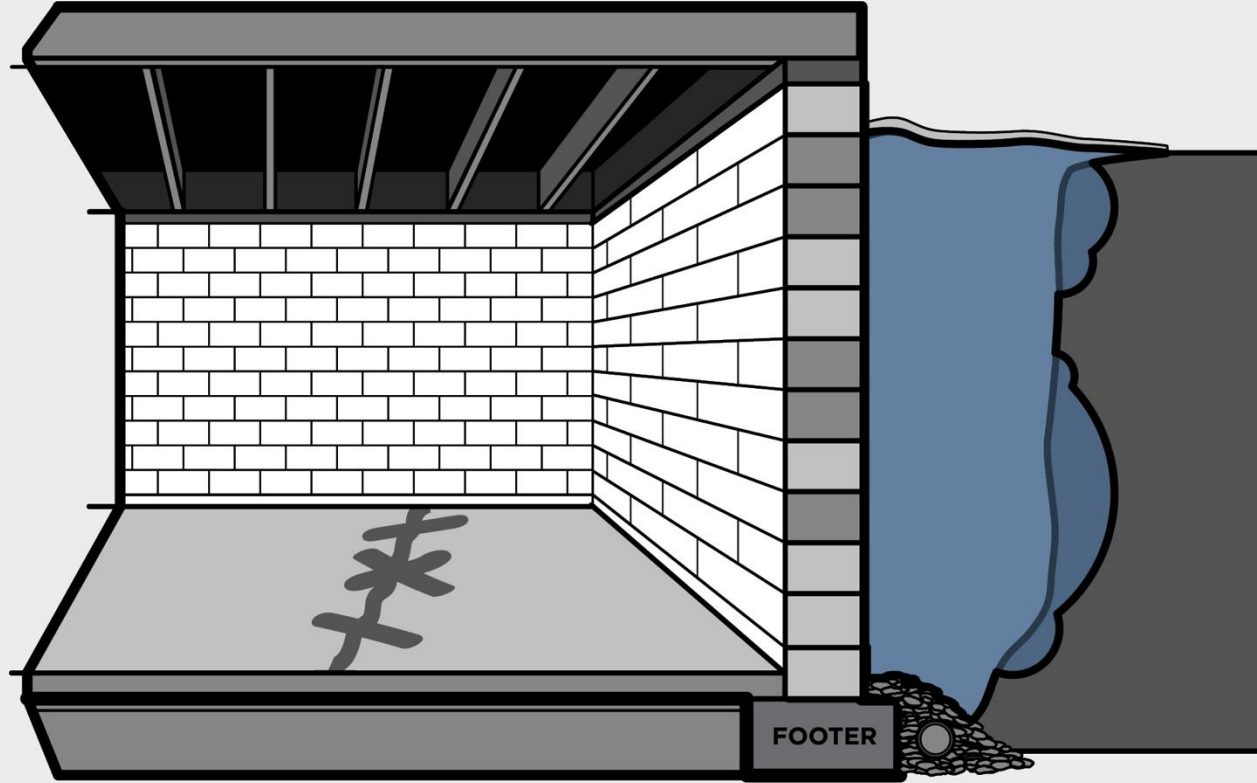


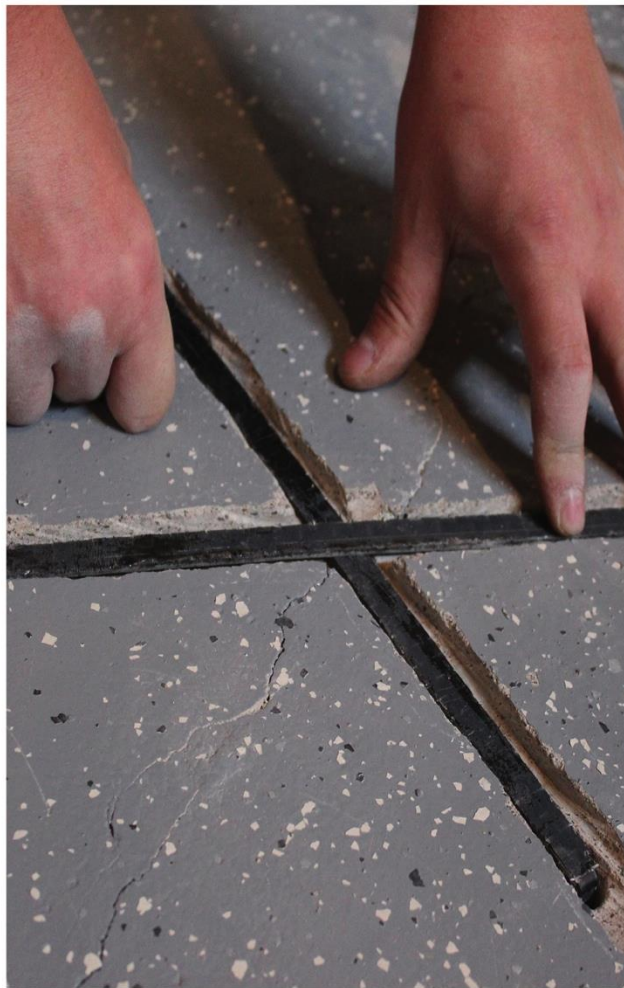
Rhino Carbon Fiber Staples

Superior repair to any stand alone repair method

STAPLE REPAIR SOLUTION

- Superior repair to any stand alone repair method
- Reinforces fractured areas of concrete
- Works on all poured concrete
- No deterioration or rotting
- Minimal intrusiveness





Other Rhino Staple Uses

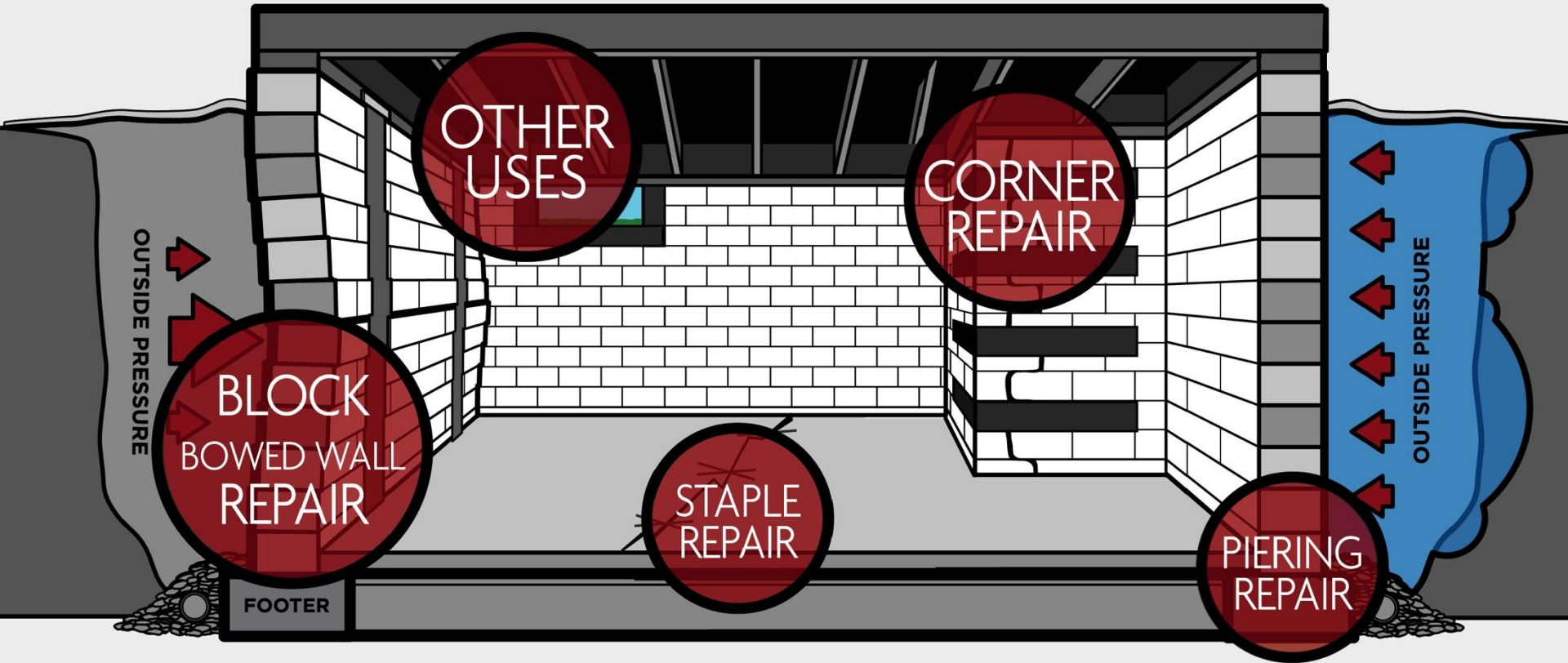
Included but not limited to piercing and pool repair



STAPLE ADDITIONAL USES

Before, during and after pool repair example





Other Rhino Product Uses

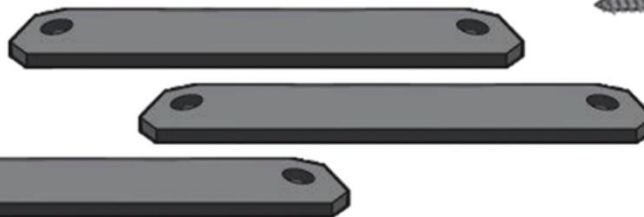
Included but not limited to wall tie back, cracked walls, broken corners, crawlspaces, egress windows, strengthening headers and piercing systems.

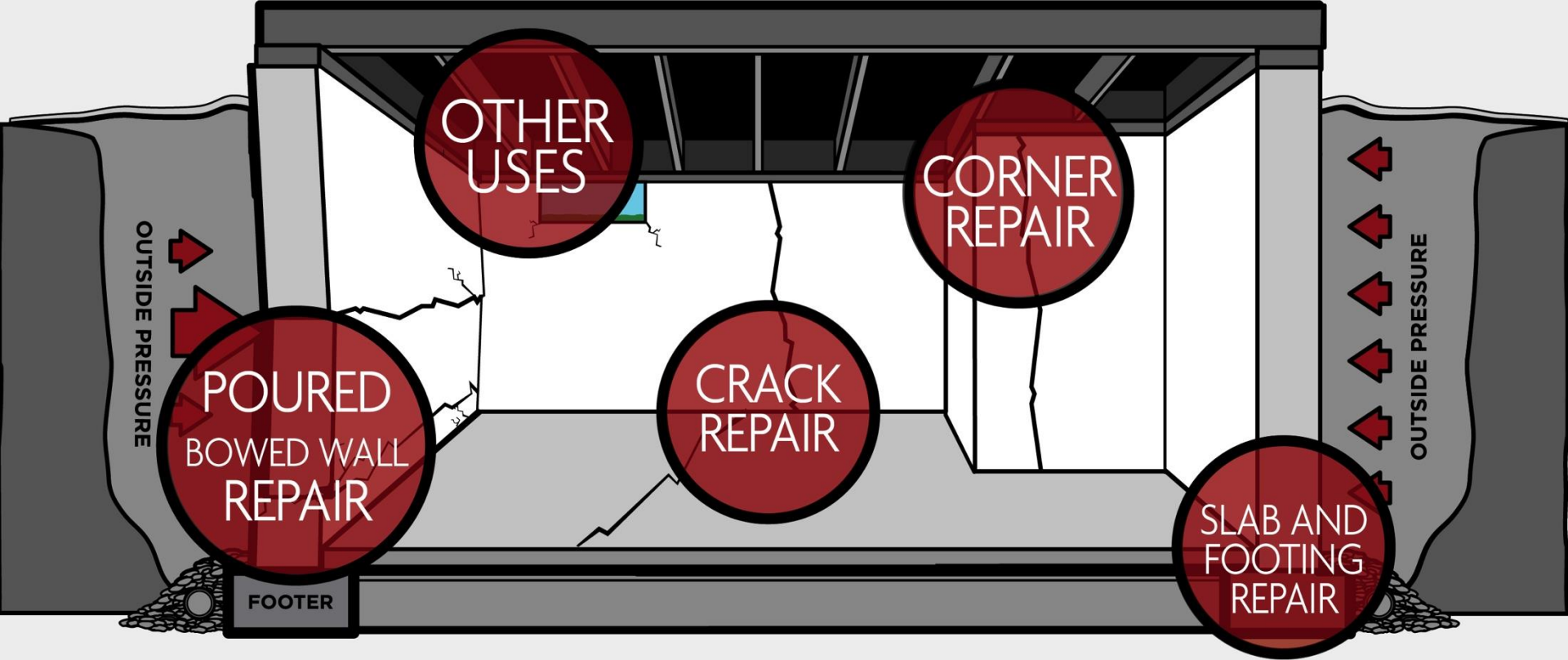




WALL REPAIR KITS

We offer foundation wall, corner repair and crack kits that are easy to work with. Individual components are available as well.





The Basement Environment.

To understand the cause of a foundation problem,
you must understand how a foundation is built and waterproofed.

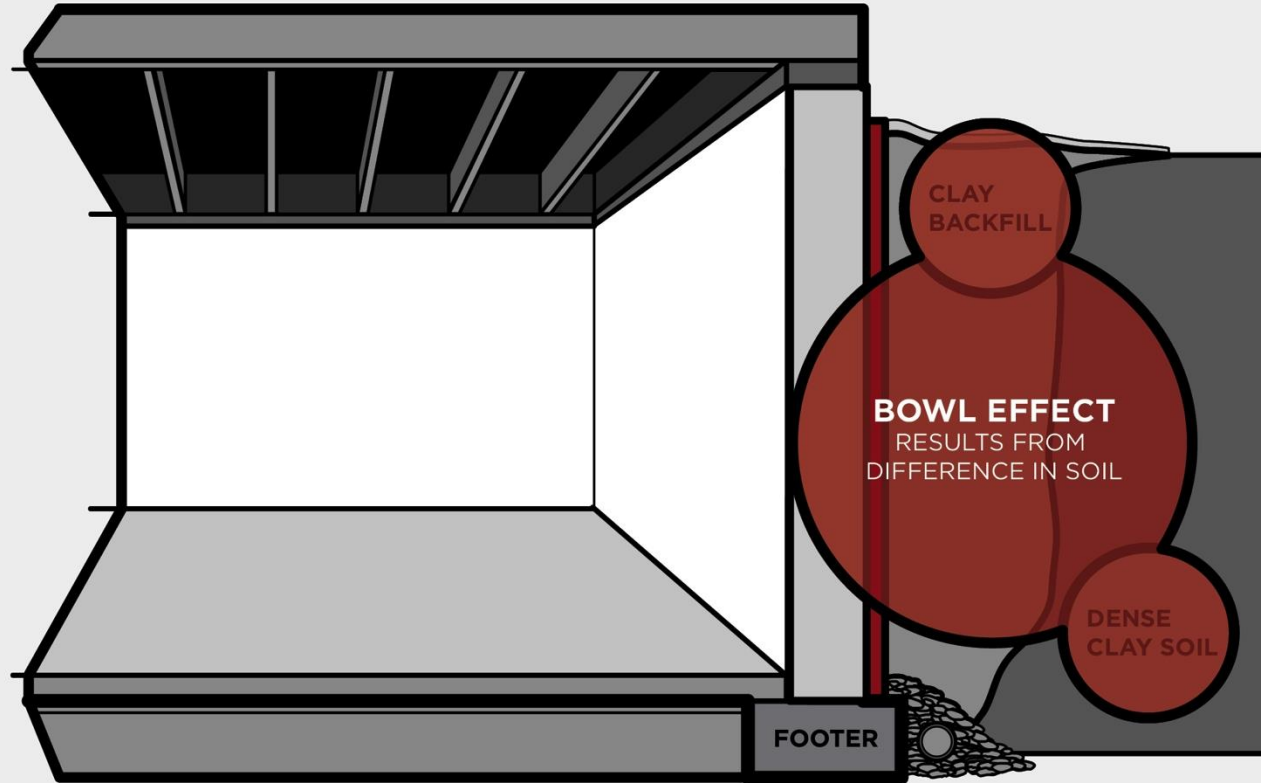
BOWL EFFECT

CLAY BACKFILL

Loose, disturbed soil

DENSE CLAY SOIL

Dense, undisturbed soil



4 Stages of Damage.

Soil Expansion & Cracks

Severe Inward Movement

Wall Shearing

Wall Replacement



STAGE 04

Wall replacement needed.



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How Do I Get My Money Back?

Why is it financially beneficial for a home to have a solid, dry foundation?



WET BASEMENTS

Property Value on a dry basement equals a \$20,000 difference versus a wet basement.



Fixing Bowed Walls.

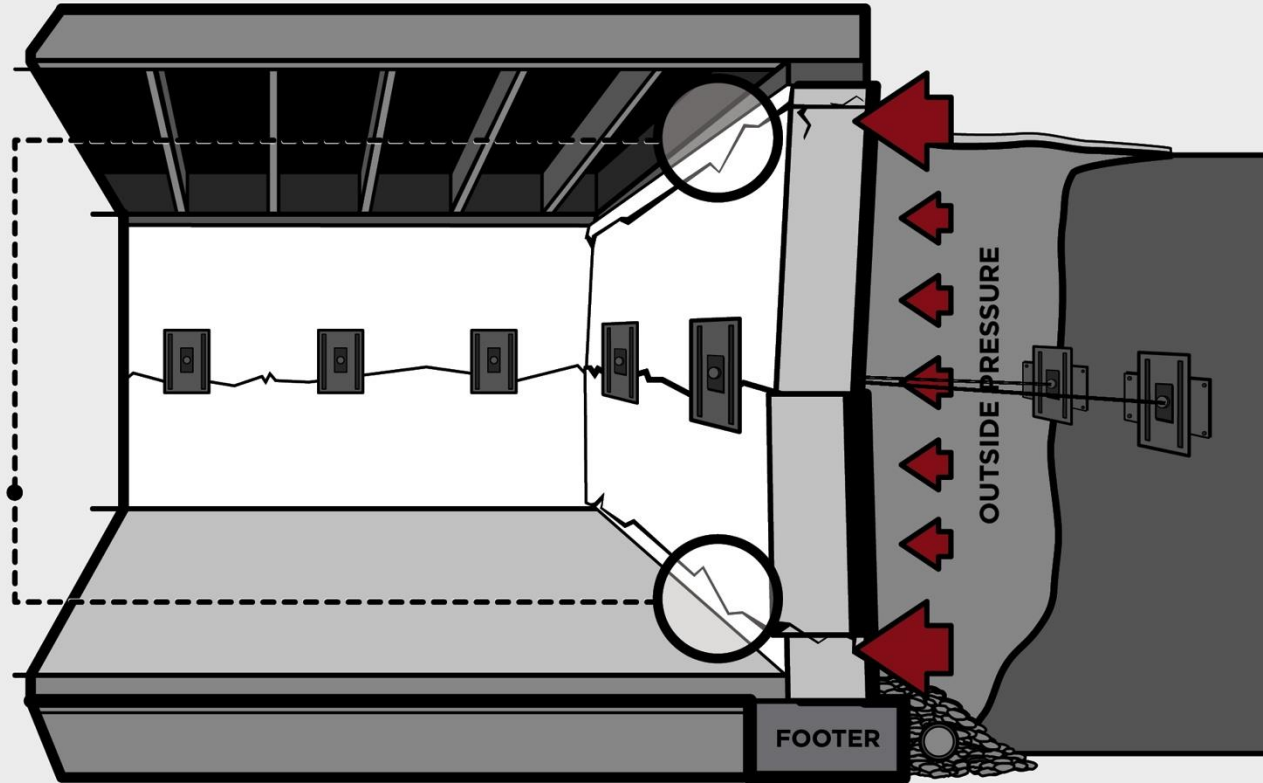
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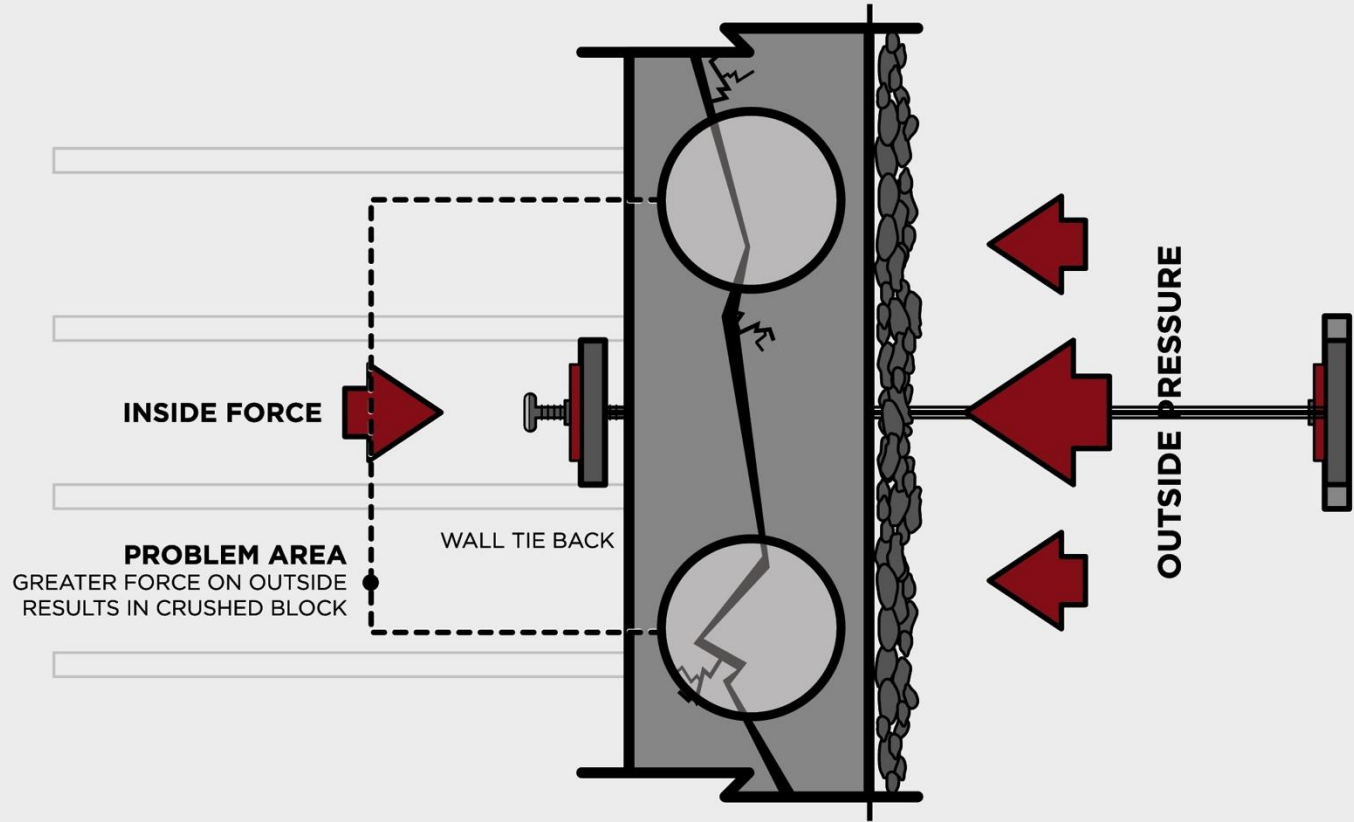
- Wall Tie Backs/Wall Anchors
- Beams
- Dig & Push Method
- Carbon Fiber

PROBLEM AREA
WALL SHEARING OCCURS

WALL TIE BACKS

- Expensive (\$\$\$)
- Bowed walls not straightened as stated
- Damaged concrete blocks
- Exterior excavation is necessary
- Aesthetics could be a concern for potential buyers
- Can't finish the basement





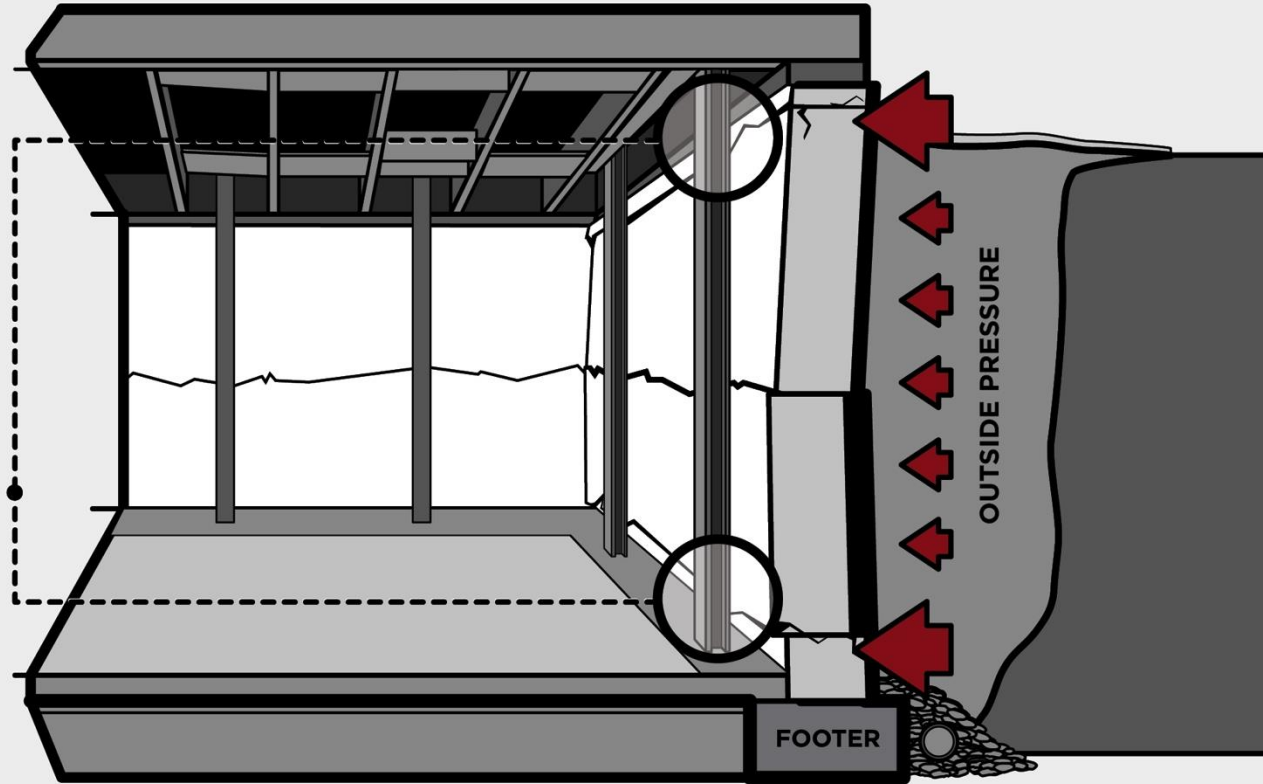
WALL TIE BACKS
TOP VIEW DIAGRAM



PROBLEM AREA
WALL SHEARING OCCURS

STATIONARY BEAMS

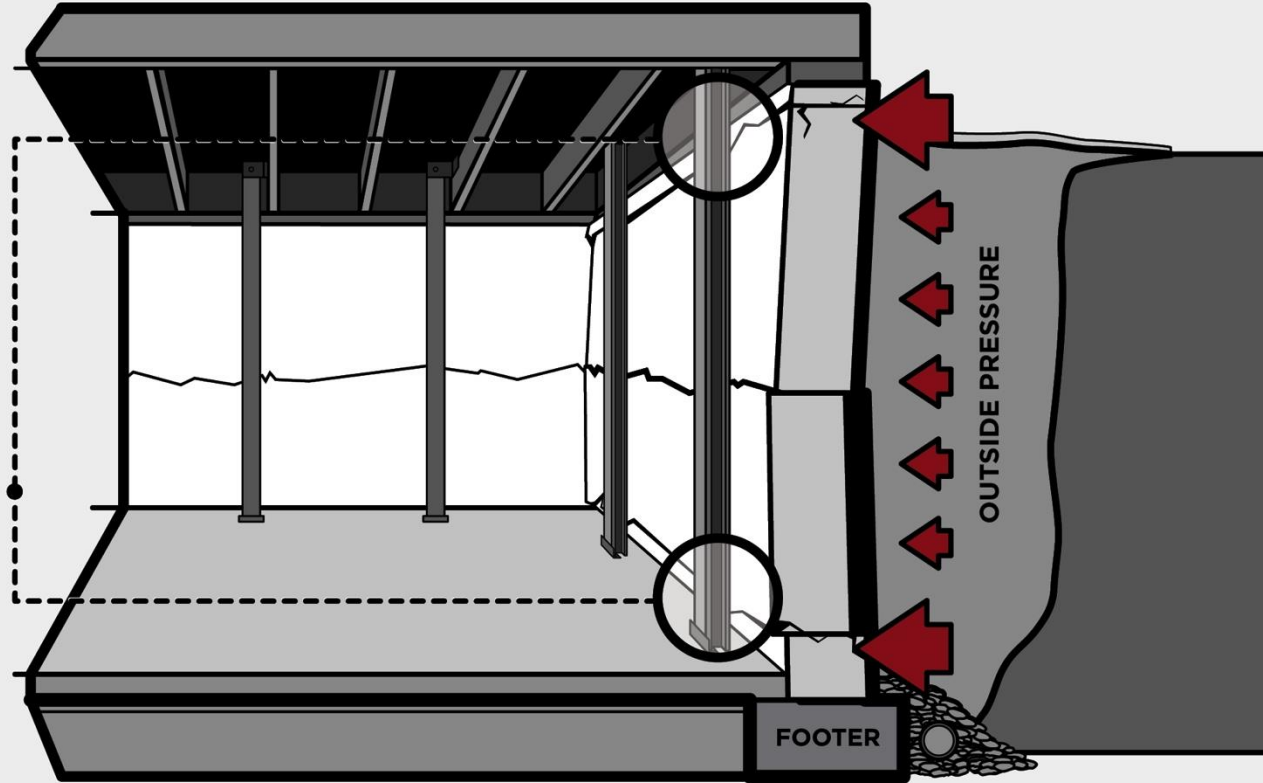
- Expensive (\$\$)
- Obtrusive beams stick out from wall
- Cracks in wall not fixed
- Decreased property value
- Steel flexes
- Loss of space
- Scary to prospective buyers

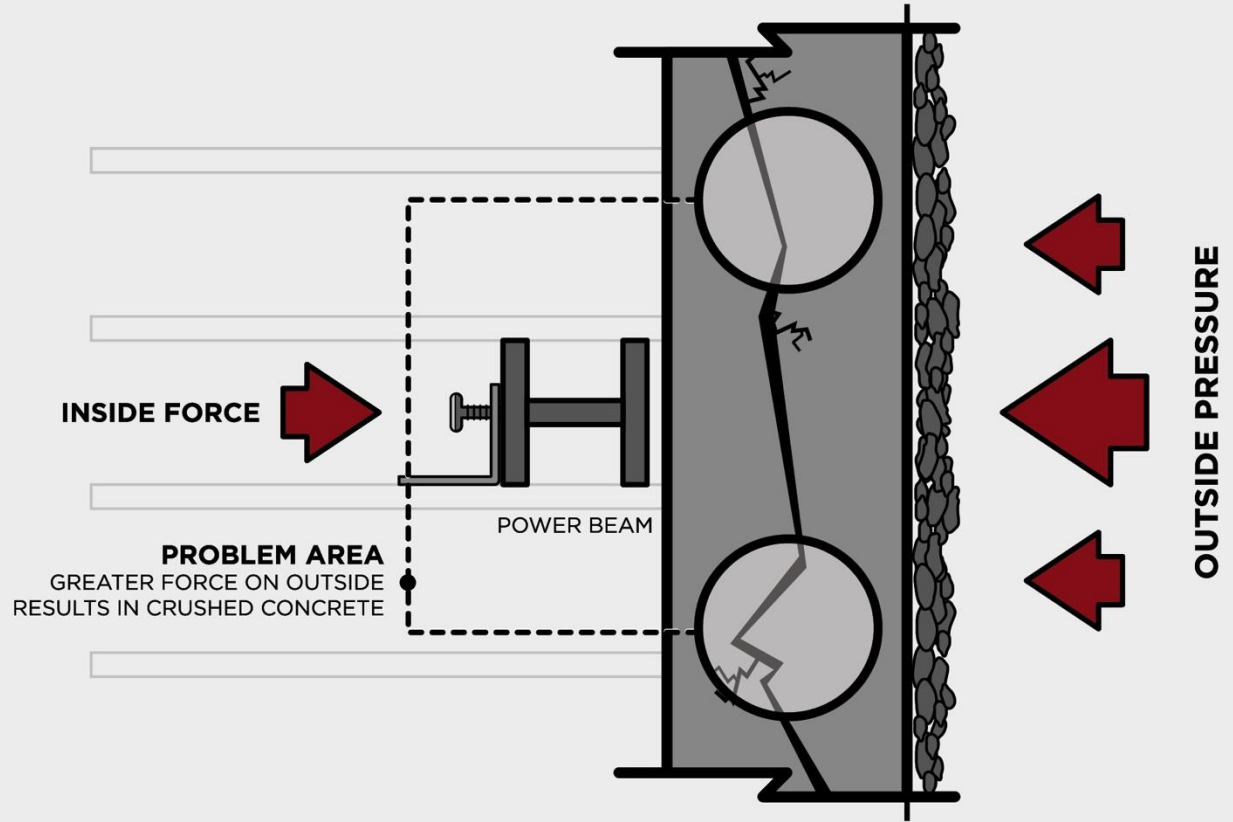


POWER BEAMS

- Expensive (\$\$\$)
- Obtrusive beams stick out from wall
- Cracks in wall not fixed
- Beams not secured to floor
- Increased pressure twists floor joists (causing floor to move)
- Decreased property value
- Wall won't move back
- Unable to finish because the beams need to be accessible

PROBLEM AREA
WALL SHEARING OCCURS





POWER BEAMS
TOP VIEW DIAGRAM

www.foundationwallbrace.com

POWER BRACE FOUNDATION WALL REINFORCEMENT

Reversing the forces of nature.

About PowerBrace | Work Examples | Contact PowerBrace

About PowerBrace

PowerBrace offers a permanent solution to fixing cracked or bowed walls due to the constant movement of soil. The Patented PowerBrace Brackets reverses the forces of nature by reinforcing the wall and over time can move the wall back to its original position with out excavation outside of the home or removal of concrete from the basement floor. Whether the foundation wall is built with block, tile, wood, or poured concrete Power Brace offers a permanent solution.

The PowerBrace Advantage

The Patented PowerBrace Brackets have revolutionized the use of steel I-beams to reinforce a bowing basement wall. I-beams have been used to reinforce basement bowing walls for decades but with the help of the PowerBrace Brackets steel I-beams have been transformed into the most reliable foundation wall bracing system available. Unlike wall anchor systems that rely on the moving soil to stabilize a foundation wall, the PowerBrace utilizes the strength of the concrete floor and the floor joist to stabilize the foundation wall.

The bottom bracket of the PowerBrace simply uses two concrete anchors to hold the I-beam in place against the bottom of the foundation wall. The PowerBrace top bracket fastens in the floor joist and when a constant pressure is kept on the bracket the beam will slowly move the wall back to its original position with out any exterior excavation, except in extreme situations. Since the PowerBrace has

Customer Testimonials

PowerBrace was just what I was looking for. -Michael L. Sterk - Pella, IA

I am very pleased with the work you did. The crack along the long wall is almost closed up already. They did a fantastic job of cleaning up. Thank you! -Verna Coblentz - Millersburg, OH

I liked the price of PowerBrace and also that all the work was done on the inside of the home. -Steve Riedy - Hops, KS

Thank you for selling us the PowerBrace. We are very pleased with the results. Actually, it saved our wall from caving in when we dug out the basement. Thanks for all of your help and information -Don & Tammy Frey - Minera

We are impressed that our basement walls have been straightened as much as it has. That the wall has been corrected 65%. We did not expect such a Good Job! -Bernard J. Knepp - Alliance,

I enjoyed the clear explanation of the PowerBrace system versus other systems. -Kathy Kunkel - Mapleton, MN

The PowerBrace System was the best choice for my problem. -Marion Weststead - Urbanda

Find A Dealer

Simply fill out the form below or call 866-375-9990 and we will have your local PowerBrace dealer contact you for a no obligation, free estimate.

First Name:

Last Name:

Street:

City:

State / Zip:

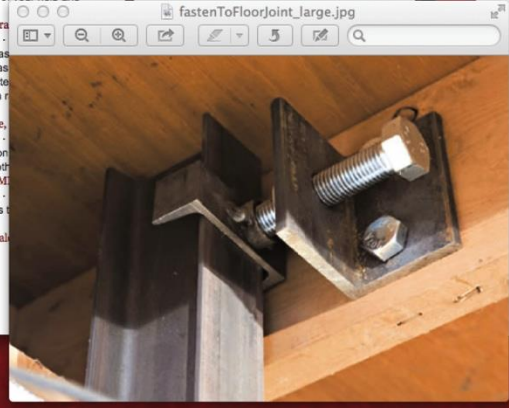
Phone:

POWER BEAMS solve the most common foundation wall problems.

POWER BRACE/THE FORCE solve the most common foundation wall problems.

www.foundationwallbrace.com

www.thereinforcer.com



thereinforcer.com/the_force_j5.html

THE FORCE

The Force: Tension Loaded... A Brace Beyond The Rest

DIAGRAM >>>

Experiencing Extreme Foundation Failure? Force the Issue!

Extreme Failures Demand Extreme Force! The Force of Nature...

Reversed! Constant soil pressure and movement can lead to severely damaged concrete foundation walls ... buckling, cracking, and often worse. When this force of nature moves in, The Force structural bracing system, counteracts the stress!

Installing the force

The Force is a patented system structural tension-loaded, steel I-beam reinforcement system that is designed to straighten block or concrete walls over time. The Force is recommended in more extreme situations where bowing is in excess of 2-inches.

Unique Spring-Coil Design ... Applies 1,000 lbs. of Constant Force

Without excavation or homeowner assistance, The Force's unique beam/spring-coil design helps straighten walls over time. Unlike other wall bracing systems, The Force utilizes a tension-loaded spring coil that applies a constant 1000-pound force on the wall.

During hot, dry weather conditions, concrete dries out, reducing its pressure. The Force's tension-load spring coil remains structurally supporting the wall.



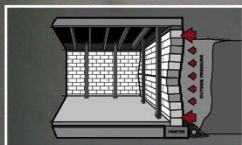
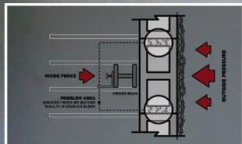


DIAGRAM >>



TOP VIEW >>

POWER BRACE
EXAMPLES





DIG & PUSH

- Expensive (\$\$\$)
- Obtrusive
- Difficult installation process
- Destructive to sidewalks, driveways, flowerbeds and yards



Carbon Fiber.

Strongest Wall Repair System Available.

No deterioration or rotting

No movement

Minimal intrusiveness

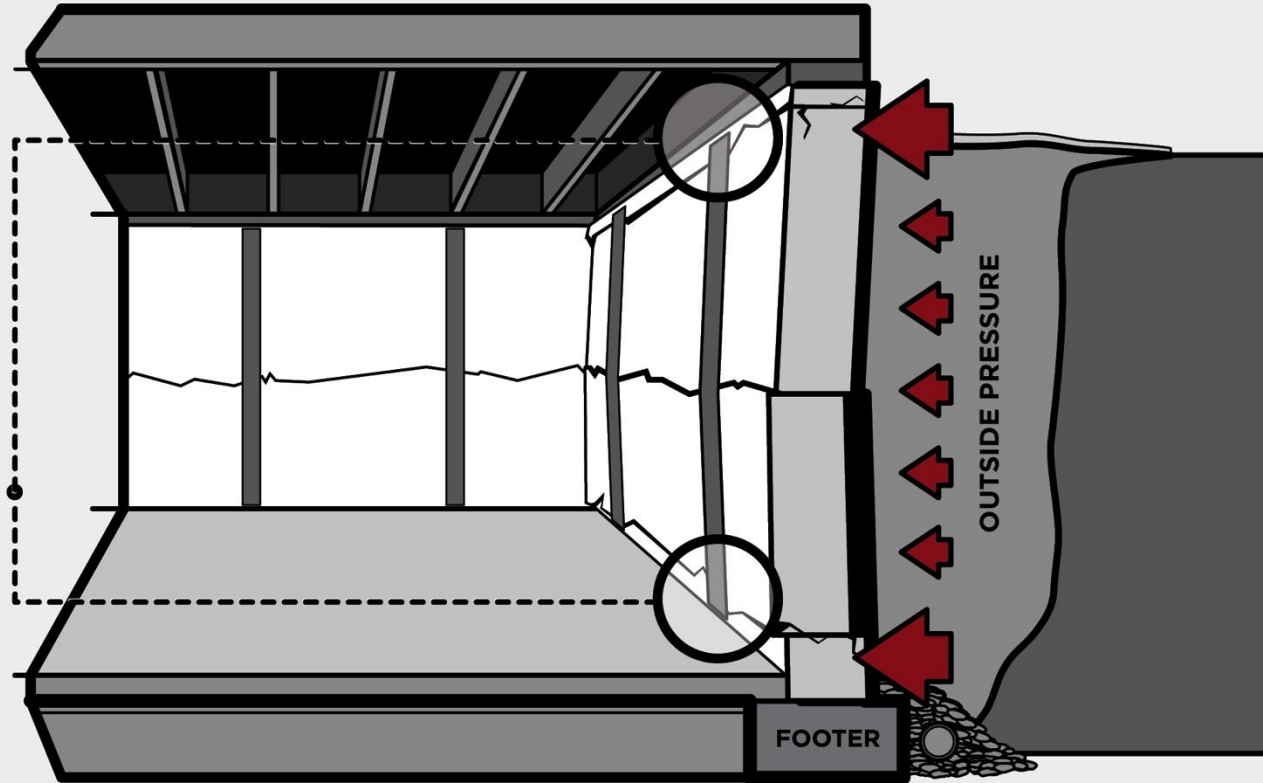
Fast, clean installation

Once again there are several options to choose from...

PROBLEM AREA
WALL SHEARING OCCURS

CARBON FIBER PLATES
4-5 INCH WIDE STRIPS

- No connection to sill plate or floor
- Damage continues at top/bottom of wall
- No horizontal strength
- No visible signs that plates are sealed to wall
- Epoxy difficult to apply
- Weak bond



carbon fiber foundation cr x carbon fiber foundation cr x Rhino

thereinforcer.com/the_reinforcer_i2.html

Apps Bookmarks 22 Page Wedding Pl American Pavements Contentplum: Make Our Portfolio « Athle Social Feed Plugin

Home The Reinforcer Case Studies Company Information The Force The Terminator Design & Installation

Find an Installer Contact

The Reinforcer Carbon Fiber Concrete Reinforcement

What Is The Reinforcer® foundation wall stabilization system ?

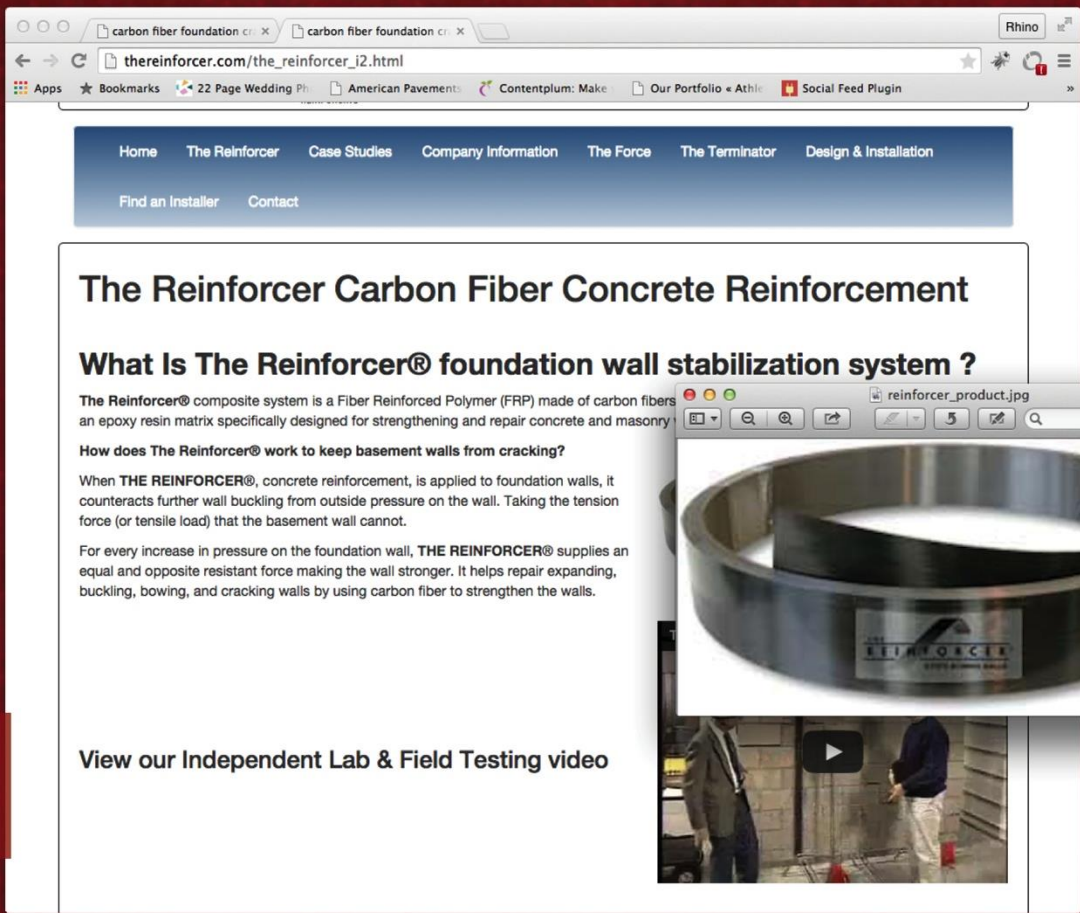
The Reinforcer® composite system is a Fiber Reinforced Polymer (FRP) made of carbon fibers and an epoxy resin matrix specifically designed for strengthening and repair concrete and masonry.

How does The Reinforcer® work to keep basement walls from cracking?

When **THE REINFORCER®**, concrete reinforcement, is applied to foundation walls, it counteracts further wall buckling from outside pressure on the wall. Taking the tension force (or tensile load) that the basement wall cannot.

For every increase in pressure on the foundation wall, **THE REINFORCER®** supplies an equal and opposite resistant force making the wall stronger. It helps repair expanding, buckling, bowing, and cracking walls by using carbon fiber to strengthen the walls.

View our Independent Lab & Field Testing video



CARBON FIBER PLATES
THE REINFORCER

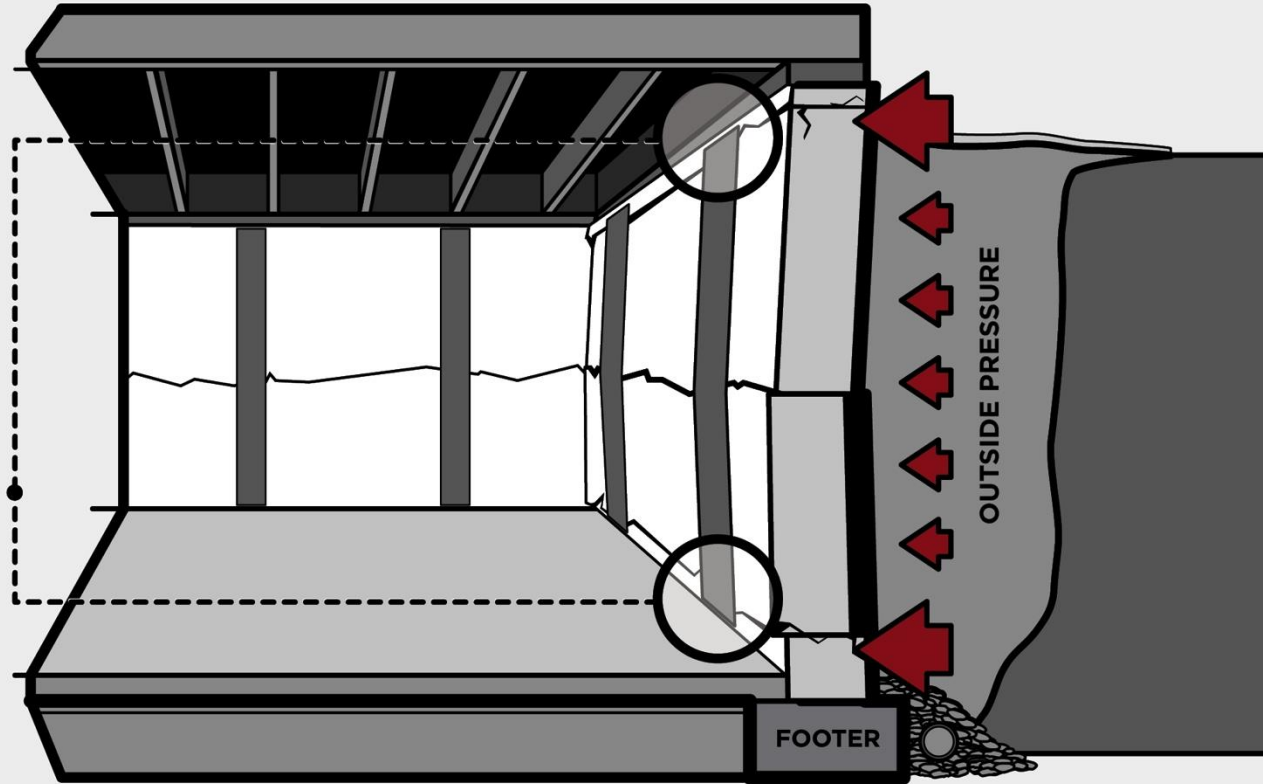
www.foundationwallbrace.com
www.thereinforcer.com



PROBLEM AREA
WALL SHEARING OCCURS

CARBON FIBER SHEETS
12 INCH WIDE STRIPS

- No connection to sill plate or floor
- Damage continues at top/bottom of wall
- No horizontal strength
- Messy installation





CARBON FIBER SHEETS




stablwallcarbonfiber.com

NO HASSLE! Return Policy
Order Your Repair Kit!
866-782-5955
 Visit Our Blog | Order Now!

Home How It Works + Advantages + Diagnose + Homeowners Contractors Gallery ^{NEW} FAQ Contact Us

Are Your Basement Walls Bowing?

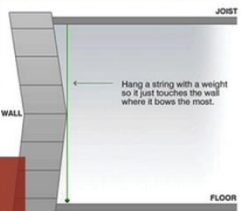
Get Your Repair Kit Today!



**Thin as a dime,
10X stronger than steel!**

CARBON FIBER SHEETS
STABLWALL | FIBERLOCK

www.stablwall.com
www.fiberlock.com



Can we help? x

Thanks for coming back. Is there anything I can do to help?

Message

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Marketing Toolbox - Fiberlock Technologies

www.fiberlock.com/marketingtools/

Contact Us News & Events Site Map Catalog Download
 Fiberlock Products PDS/MSDS Where to Buy

Fiberlock/About Us

Fiberlock Technologies - Marketing Toolbox

Professional Products...
Professional Results

Share / Save

Fiberlock TECHNOLOGIES
Product Marketing Resources

A - F G - L M - R S - Z


Low Resolution Images: Right Click Image and Click Save As
High Resolution Images: Click Download Button

A - F

ABC - Asbestos Binding Compound

6421-Off-White, 6422-Clear, 6423-Green

Asbestos Overview
Asbestos Product Reference



PDS
MSDS:
• 6421 | 6422 | 6423
Labels:
• 6421 | 6422 | 6423
10 Point Specification

More About Fiberlock

Quick Links
Contact Us
Where to Buy

Products by Industry
Mold Remediation
Lead Abatement
Asbestos Abatement
Healthcare
Disaster Restoration
JanSan

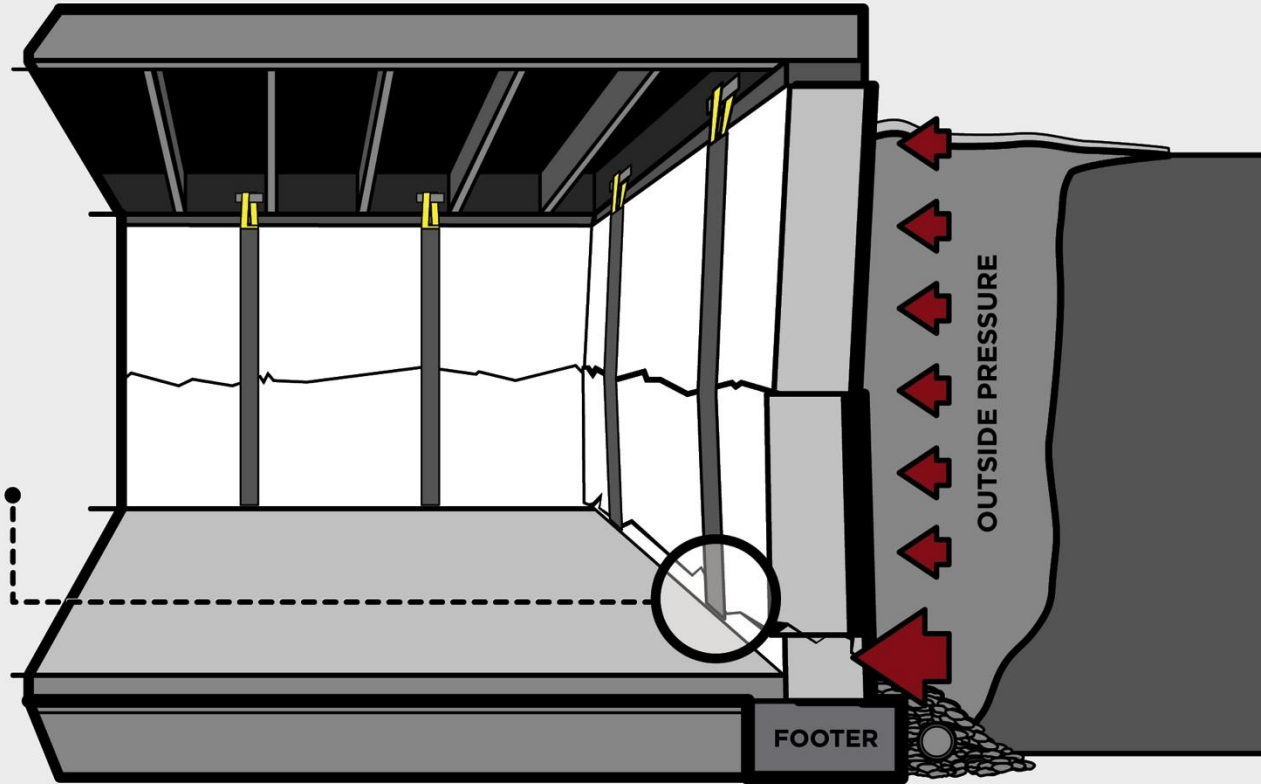
Resources (Regulations and Guidelines)
S520
EPA
CDC
IAQA
VOC Guidelines
Green Products



PROBLEM AREA
WALL SHEARING OCCURS

CARBON FIBER KEVLAR WEAVE
5 INCH WIDE STRIPS

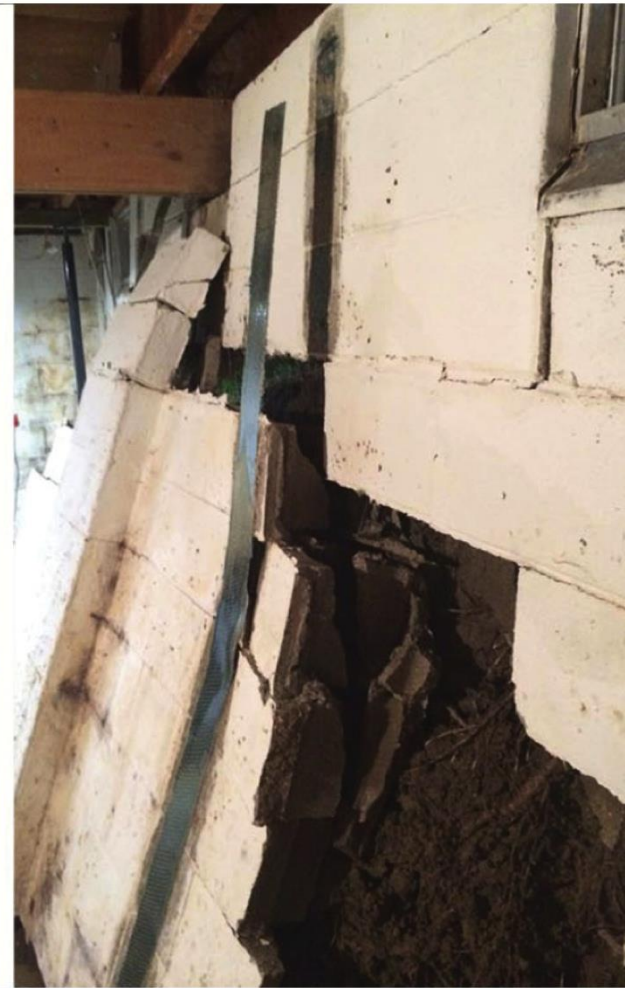
- Movement at necktie attachment
- No connection to floor
- Damage continues at top/bottom of wall
- Minimal horizontal strength





CARBON FIBER KEVLAR WEAVE

- MOVEMENT AT NECKTIE ATTACHMENT
- NO CONNECTION TO FLOOR
- DAMAGE CONTINUES AT TOP/BOTTOM OF WALL
- MINIMAL HORIZONTAL STRENGTH



CARBON FIBER KEVLAR WEAVE
FORTRESS STABILIZATION SYSTEMS

www.fortressstabilization.com



Fortress Stabilization's carbon-fiber kevlar sheet product line for construction applications

http://www.fortressstabilization.com/products.php

Google Maps

Anchoring Fou... PowerBrace.ne... Basement wall ... Foundation Re... Fortress Stabli...

FORTRESS STABILIZATION SYSTEMS

STRUCTURAL COMPOSITE TECHNOLOGY FROM BRIDGES TO BASEMENTS

HOME COMPANY PRODUCTS PRODUCT USE CONTACT

Products

Homeowners Foundation Issues
Learn about the common foundation and concrete repair issues homeowner face.

Carbon Fiber Grids
For Concrete Applications in Commercial Settings.

Carbon Fiber Grids
For Decorative Concrete Overlays

Reinforcement and Concrete Repair
Carbon-fiber technologies in concrete repair

Foundation Repair
Carbon-fiber technologies in foundation repair applications

Concrete Reinforcement
Carbon-fiber technologies and reinforcement of concrete

Bowed Basement Walls
Carbon-fiber technologies application in the reinforcement of bowed basement walls

Case Studies. Explore the many uses and applications

COUNTERSUNK STAPLE
Crack Control Stitching System

Fortress Stabilization Systems is please to announce our new countersunk staple. Designed to be used with a Concrete Slotter. This Pre-Preg Precured Staple is faster to install and easy to cover. Use less Epoxy resin and improves overall staple procedure.



[Read More](#)

KEVLAR NECKTIE
Top Wall Anchoring System

Fortress Kevlar Necktie is an Aramid Composite webbing combined with an aluminum bracket and zinc coated lags that laminates into 4020 epoxy resin system. Half of the Aramid webbing is traditional fabric, the other half is pre-preg pre-cured with peel-ply which laminates to the foundation assuring entire strap will load in conjunction. It is designed to attach ...



[Read More](#)

T-ANCHOR
CARBON FIBER KEVLAR

A pre-cured 90°L-anchor 2" X 2" with 5 carbon tows cross woven with Kevlar. This can be used as an



TOWSHEET
UNIDIRECTIONAL CARBON FIBER

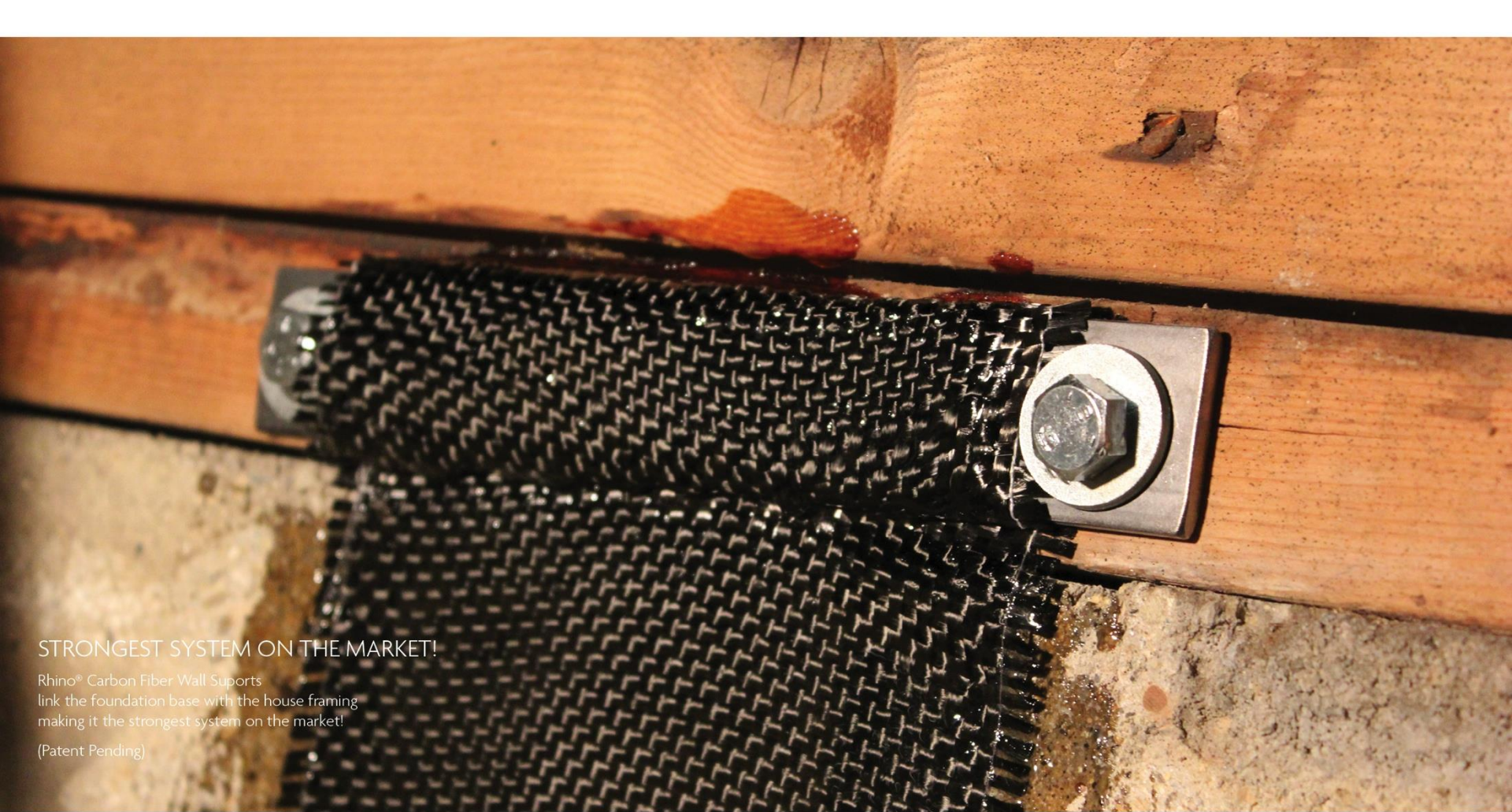
Carbon Fiber Cloth or Tow Sheet standard unidirectional weave. 150 gsm, 300 gsm or 600 gsm



Macintosh HD

The Most Advanced System Available.

All problems associated with Carbon Fiber have been solved.



STRONGEST SYSTEM ON THE MARKET!

Rhino® Carbon Fiber Wall Supports
link the foundation base with the house framing
making it the strongest system on the market!

(Patent Pending)

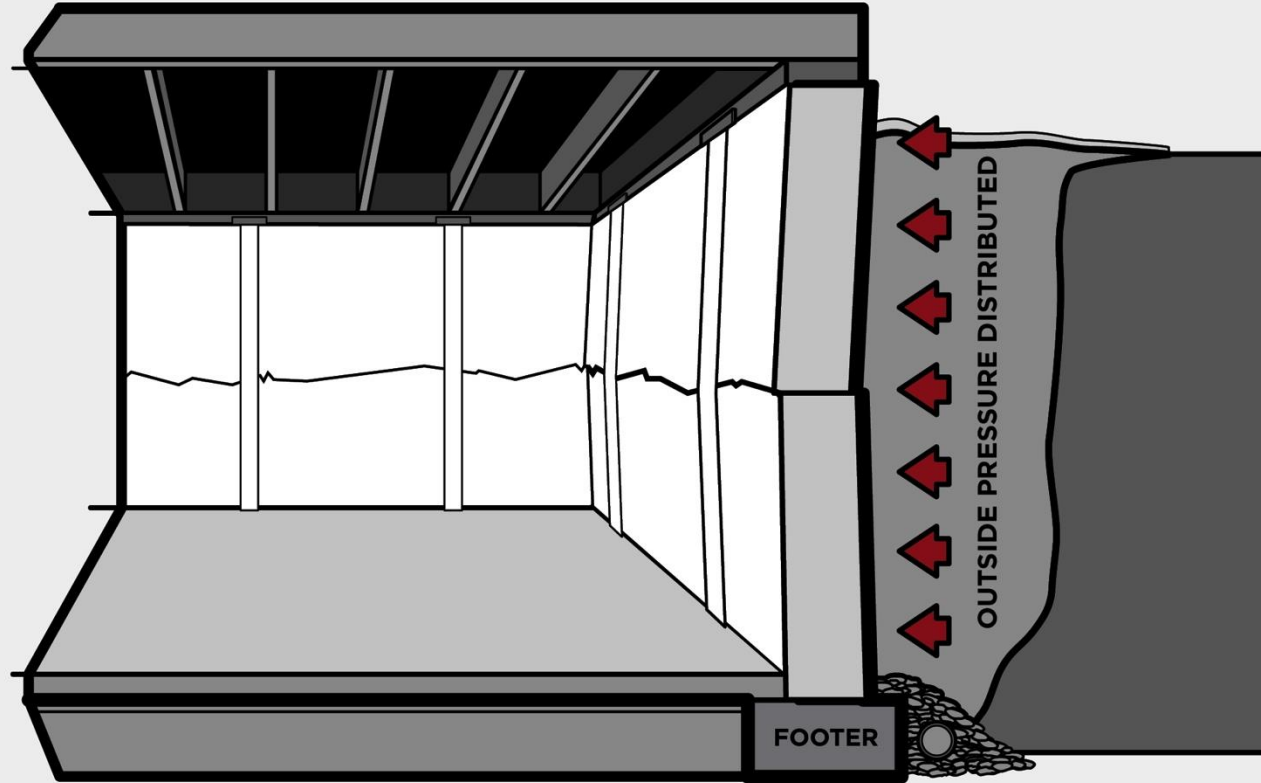


www.RhinoCarbonFiber.com

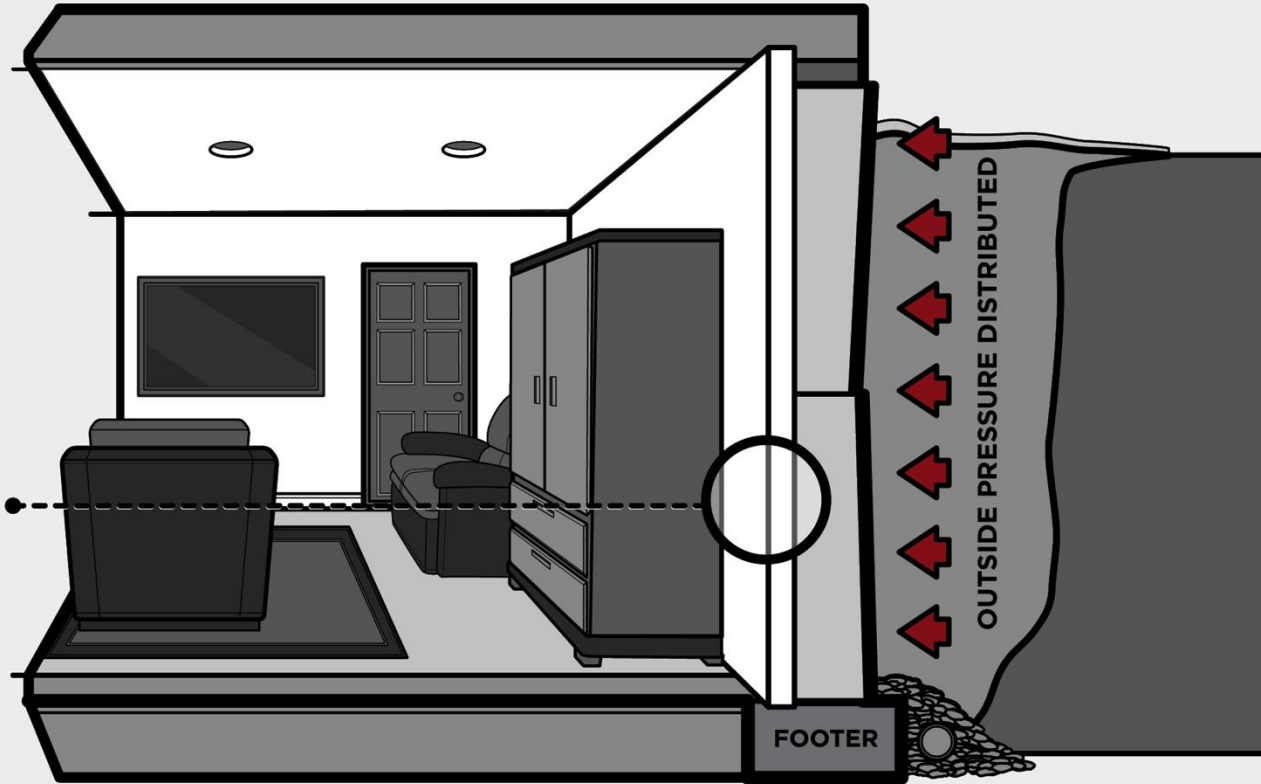
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RHINO® CARBON FIBER

Rhino® Carbon Fiber can easily be painted to help prevent aesthetic problems with potential buyers...



SAVE SPACE
SQUARE FOOTAGE INCREASED
VERSUS POWER BEAMS



RHINO® CARBON FIBER

Rhino® Carbon Fiber can easily be painted to help prevent aesthetic problems with potential buyers...

or covered with white wall panels!





FAST, CLEAN INSTALLATION

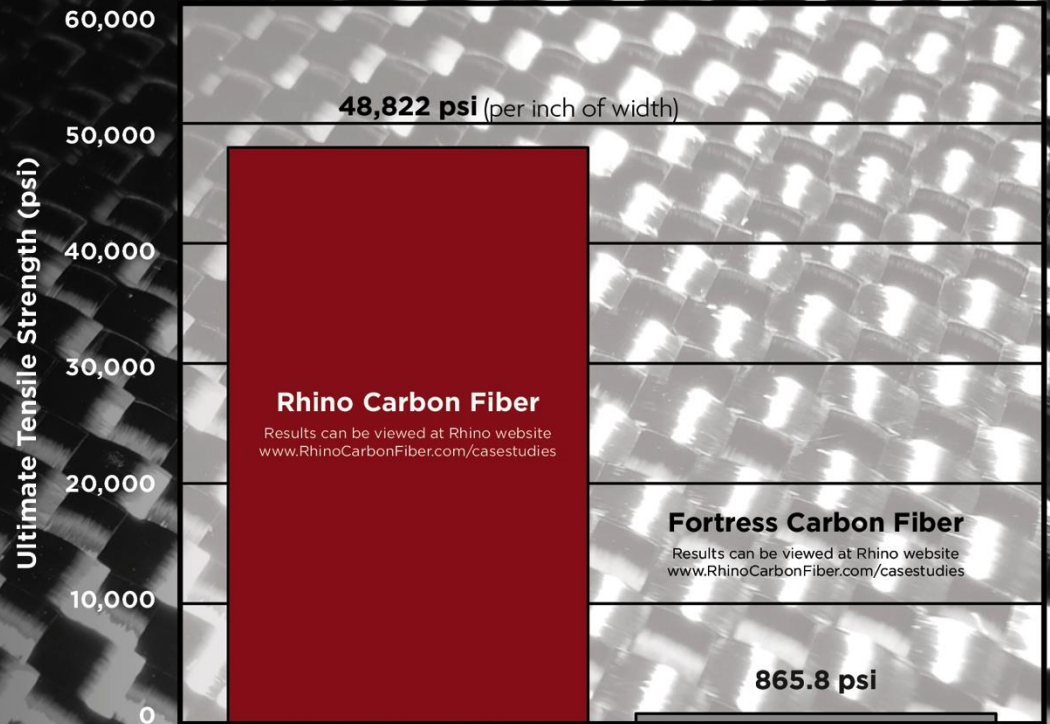
- Prep Wall
- Mount Sill Plate Bracket
- Epoxy To Foundation
- Anchor to Footer



HORIZONTAL TENSION TESTING

We offer the best products through research and testing. Our R&D team works with third party vendors to test our products to ensure the highest quality available.

We will help to complete any other testing you require.





LIFETIME PRODUCT WARRANTY

Rhino® Carbon Fiber is warranted for the life of the structure. The warranty covers the foundation walls against any further inward movement in areas the product is installed. If issues occur, materials and labor will be replaced at no charge.

Terms and conditions apply.



WATERPROOF!

MAGAZINE



“One potential problem with strapping is that it shifts pressure to the top and bottom of the foundation wall... Transferring soil loads to the top and bottom of the wall may eventually cause additional damage, resulting in more repair work needed. Rhino (Carbon Fiber) eliminates this possibility.”

IN THE MEDIA...

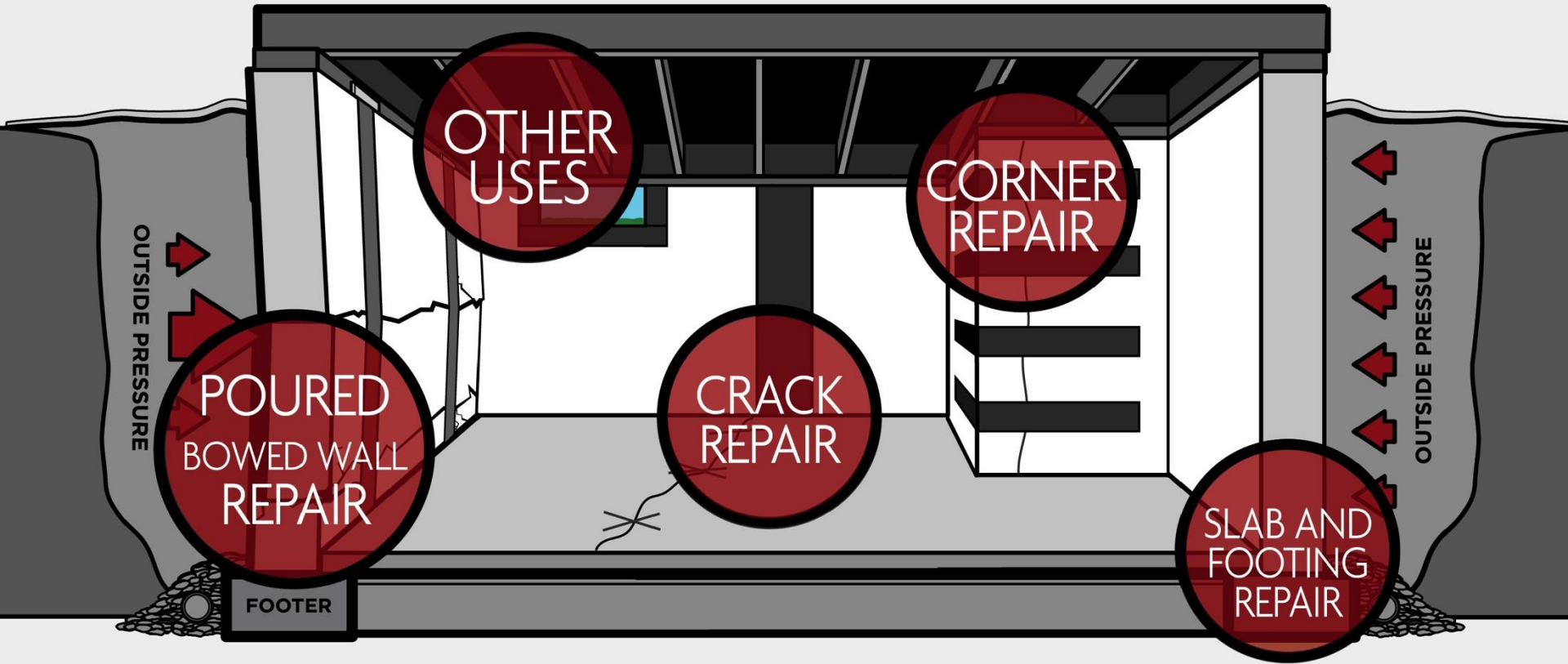
Rhino® Carbon Fiber was featured in the Fall 2010 Waterproof! Magazine article “Working with Carbon Fiber.”

www.waterproofmag.com/back_issues/201010/working_with_carbon_fiber.php



www.RhinoCarbonFiber.com

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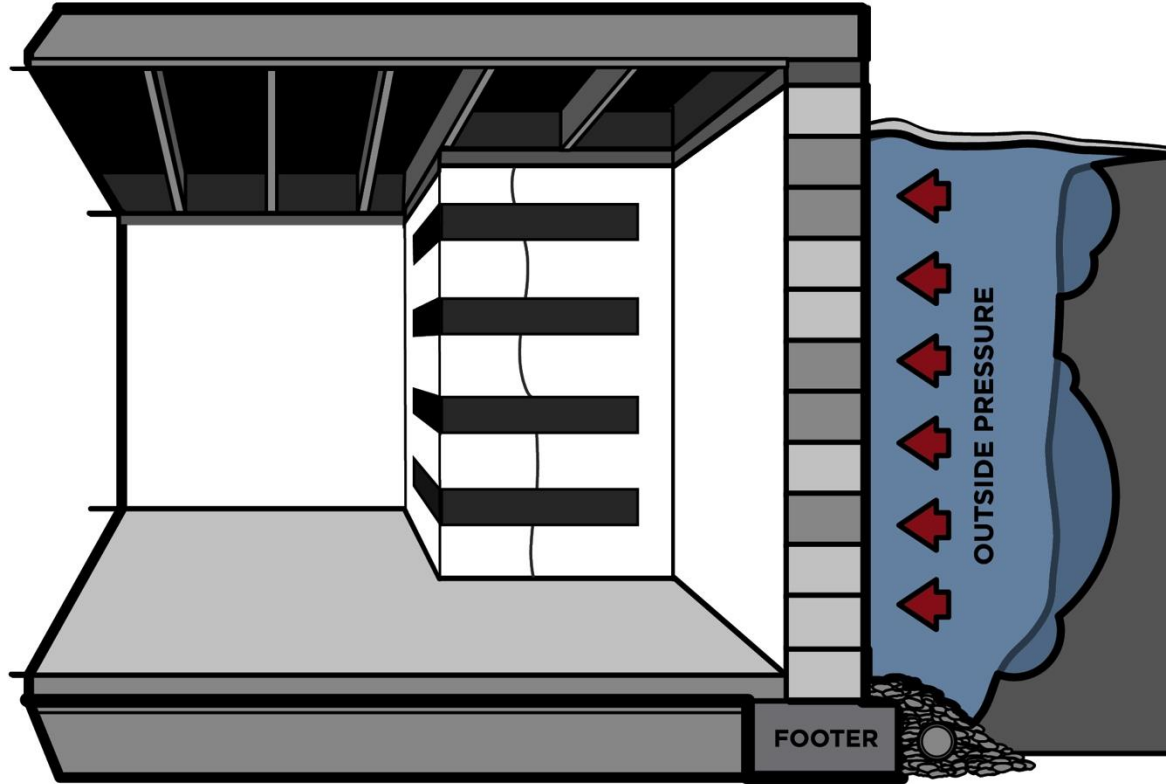


Corner Wall Repair

The only carbon fiber system that structurally repairs the corners in your foundation wall and prevents future cracks.

CORNER REPAIR SOLUTION

- Distributes the pressure horizontally to correct and prevent future damage
- Works on block and poured walls





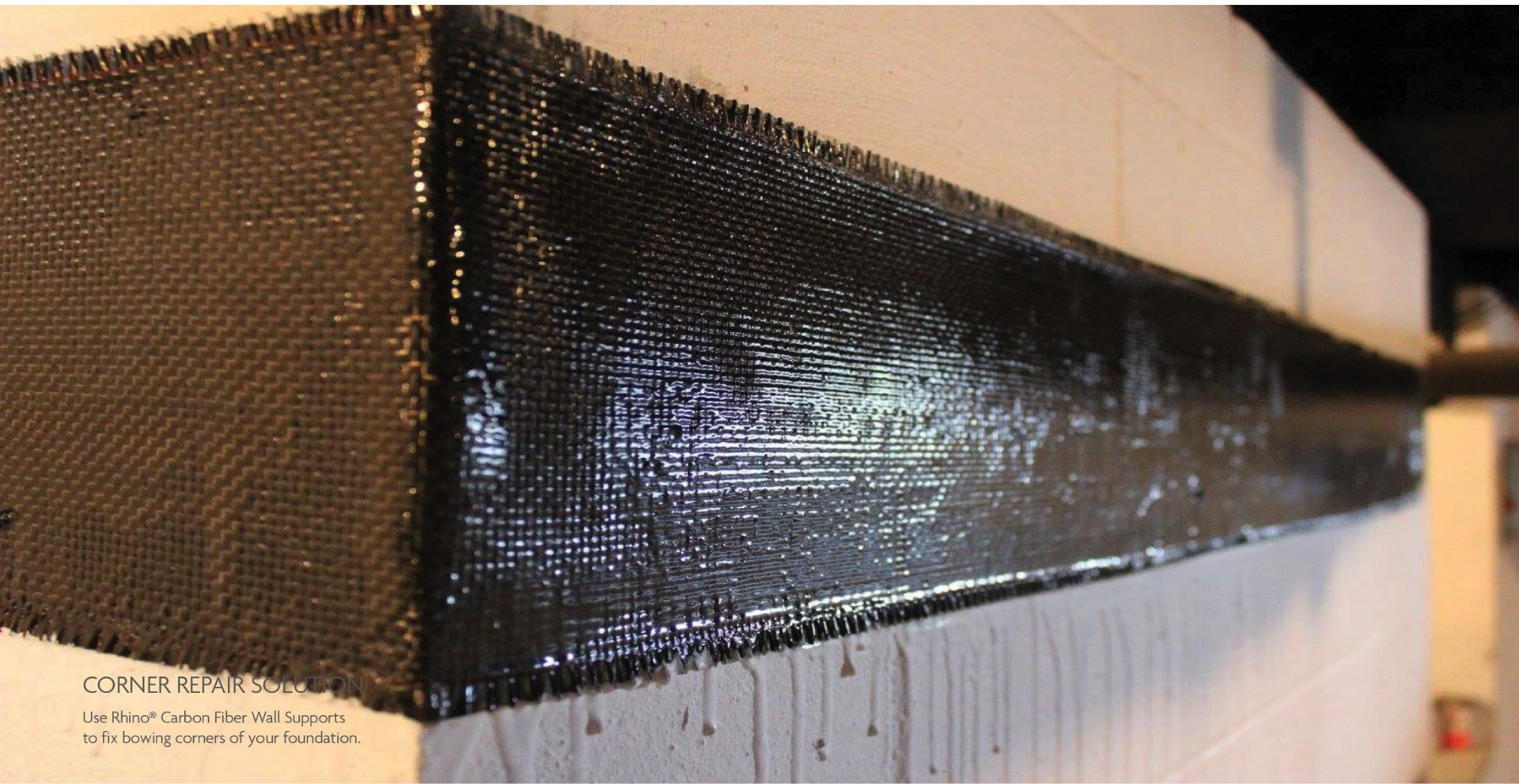
CORNER REPAIR SOLUTION

Use Rhino® Carbon Fiber Wall Supports to fix bowing corners of your foundation.



www.RhinoCarbonFiber.com

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CORNER REPAIR SOLUTION

Use Rhino® Carbon Fiber Wall Supports
to fix bowing corners of your foundation.



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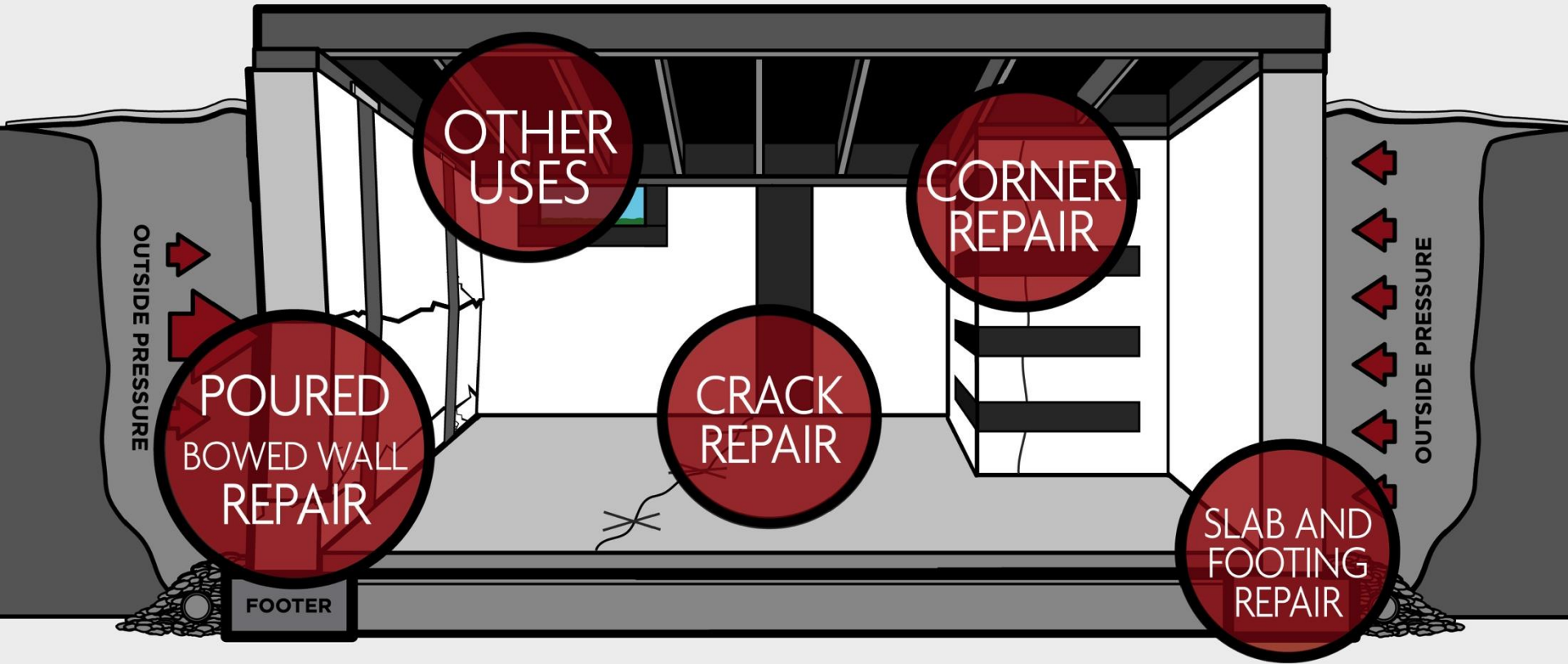
CORNER REPAIR SOLUTION

Use Rhino® Carbon Fiber Wall Supports
to fix bowing corners of your foundation.



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Other Rhino Product Uses

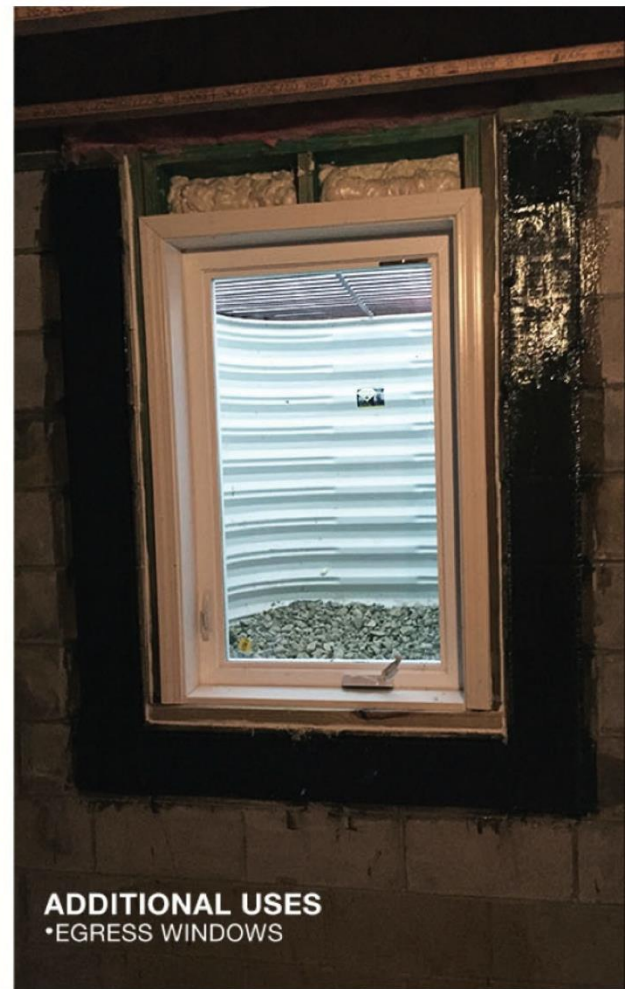
Include but not limited to wall tie backs, cracked walls, broken corners, crawlspaces, egress windows, strengthening headers and piling systems.



ADDITIONAL USES
•CRAWLSPACES



ADDITIONAL USES
•COMMERCIAL PROJECTS



ADDITIONAL USES
•EGRESS WINDOWS



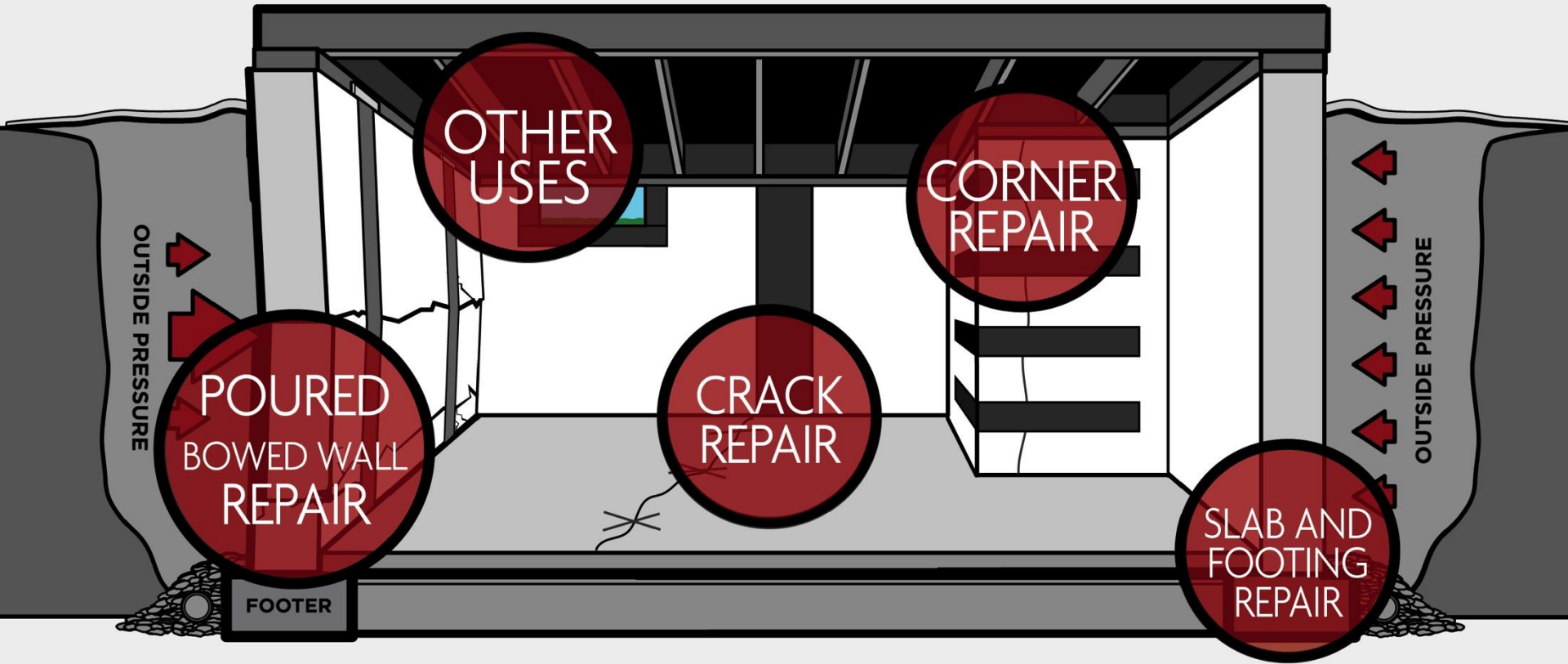
ADDITIONAL USES
•HEADER REINFORCEMENT



ADDITIONAL USES
•OPENING REINFORCEMENT FOR A CMU WALL



ADDITIONAL USES
•OPENING REINFORCEMENT FOR A CMU WALL



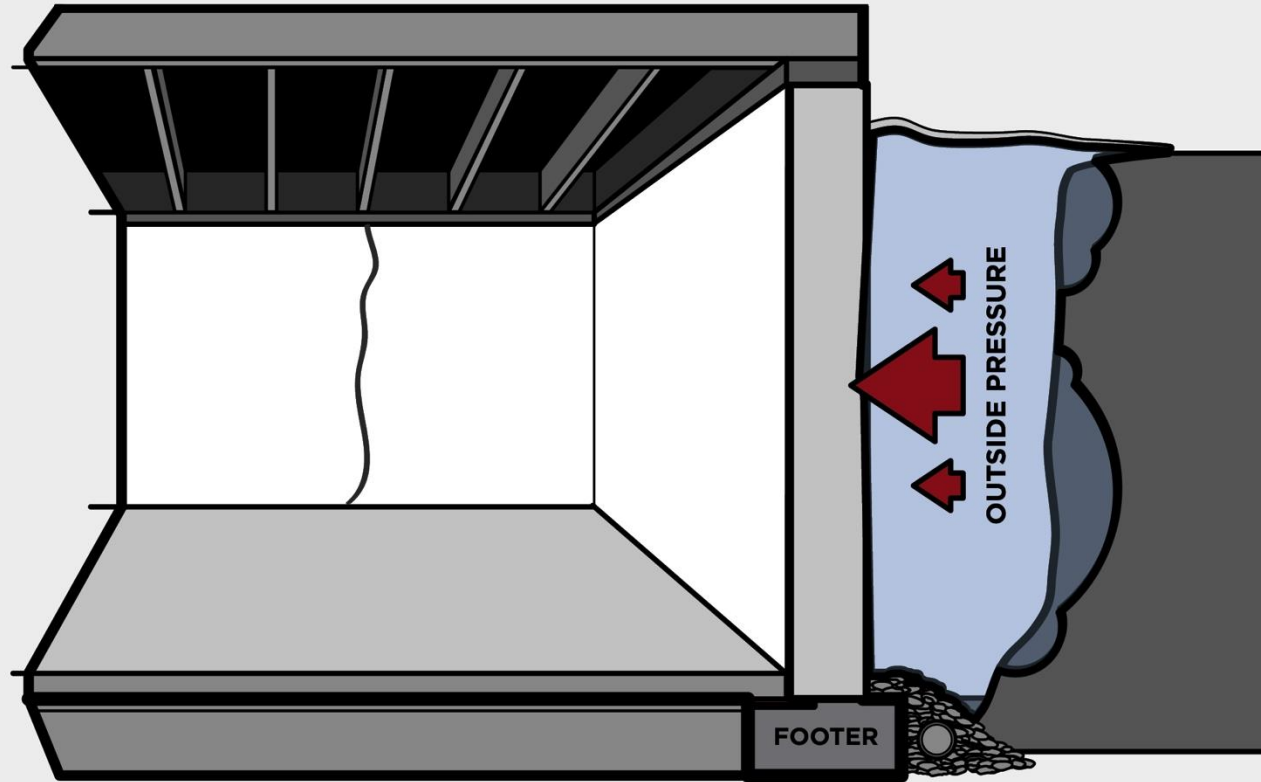
Rhino Crack Repair Products

Different options for poured wall crack repair

- Carbon Fiber with Crack Injection
- Carbon Fiber Crack Repair
- Carbon Fiber Staples
- Other Carbon Fiber Options

POURED WALL FOUNDATION CRACKS

Cracks develop in concrete over time



CRACK REPAIR OPTIONS

WALL CRACK

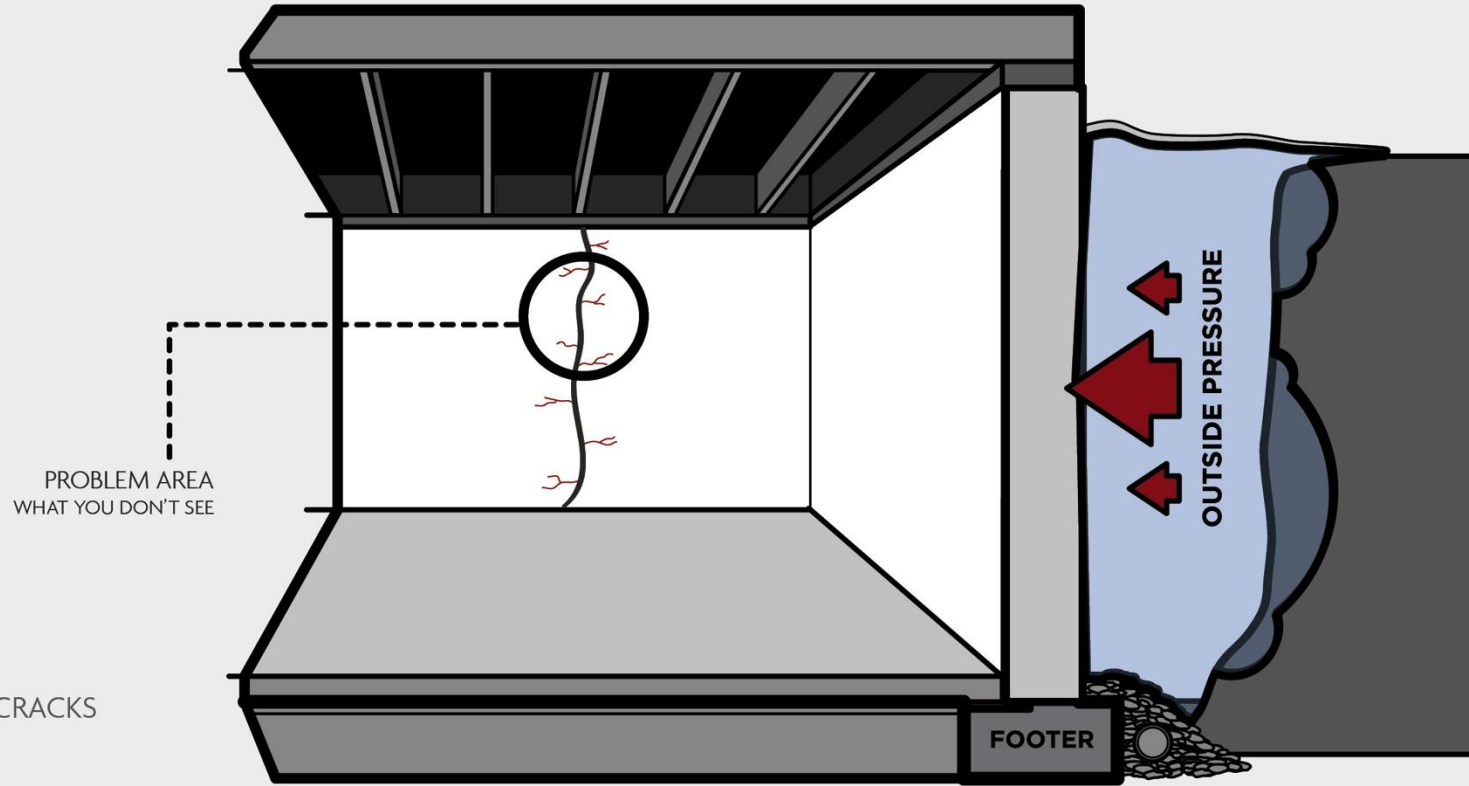
CRACK INJECTION

CARBON FIBER

STAPLES

OTHER USES

TOP VIEW



POURED WALL FOUNDATION CRACKS

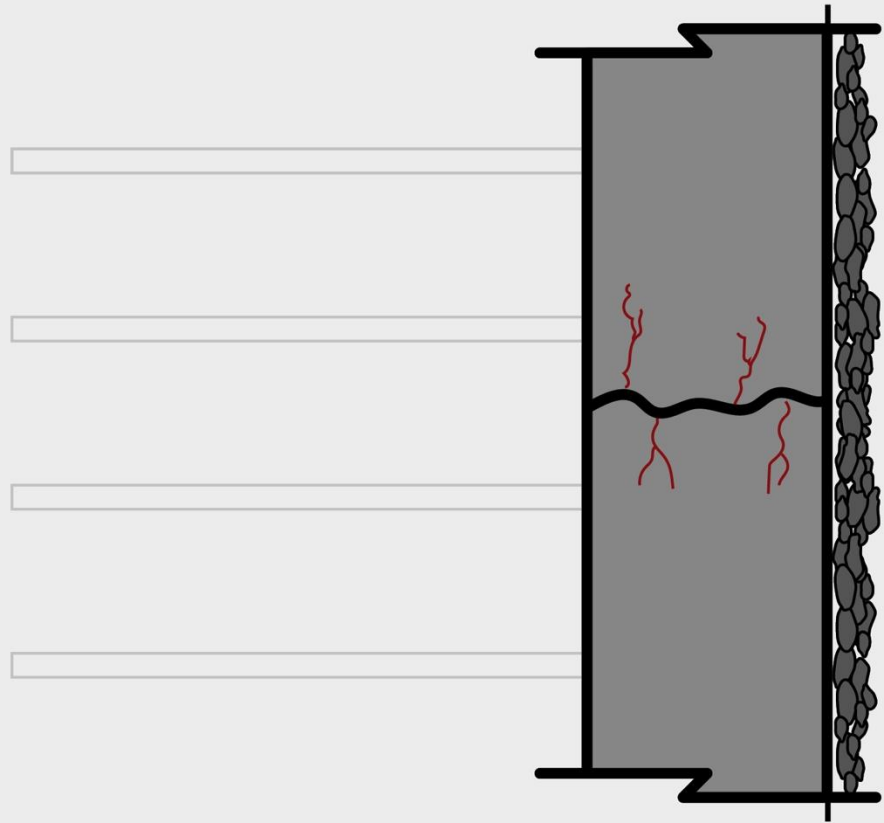
- Hair line fractures both ways
- Concrete is now weakened next to crack



MENU

PREVIOUS SLIDE

NEXT SLIDE



CRACK REPAIR OPTIONS

WALL CRACK

CRACK INJECTION

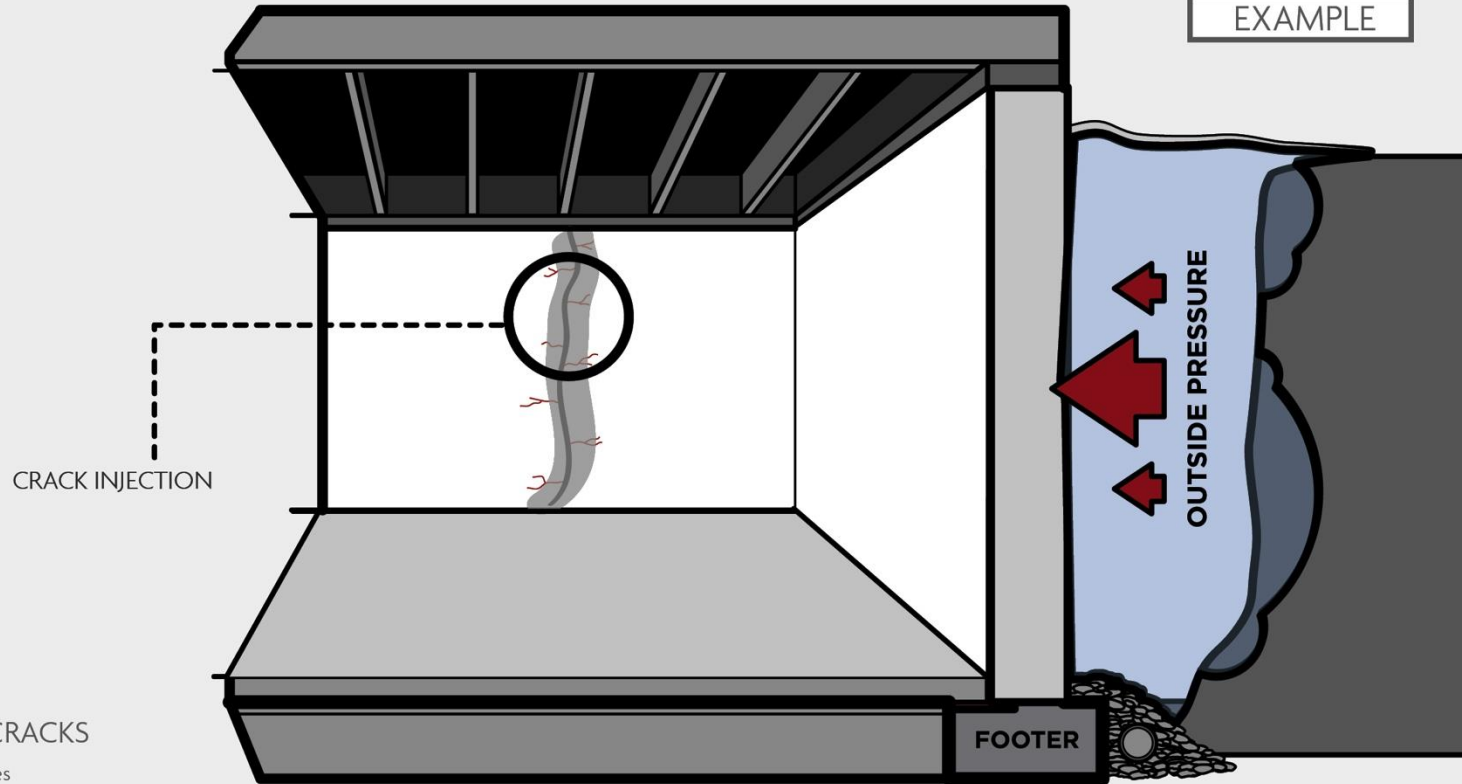
CARBON FIBER

STAPLES

OTHER USES

TOP VIEW

EXAMPLE



POURED WALL FOUNDATION CRACKS

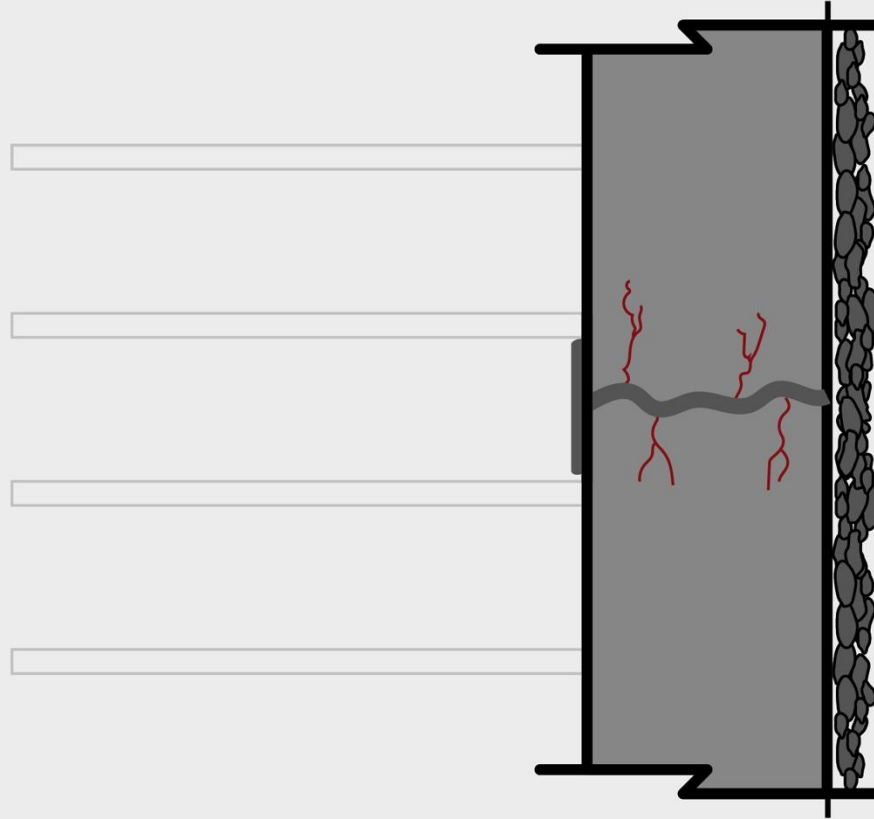
Crack injection does not address hairline fractures



MENU

PREVIOUS SLIDE

NEXT SLIDE



POURED WALL FOUNDATION CRACKS

Crack injection does not address hairline fractures





MENU

PREVIOUS SLIDE

NEXT SLIDE

POURED WALL FOUNDATION CRACKS

Crack injection does not address hairline fractures



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CRACK REPAIR OPTIONS

WALL CRACK

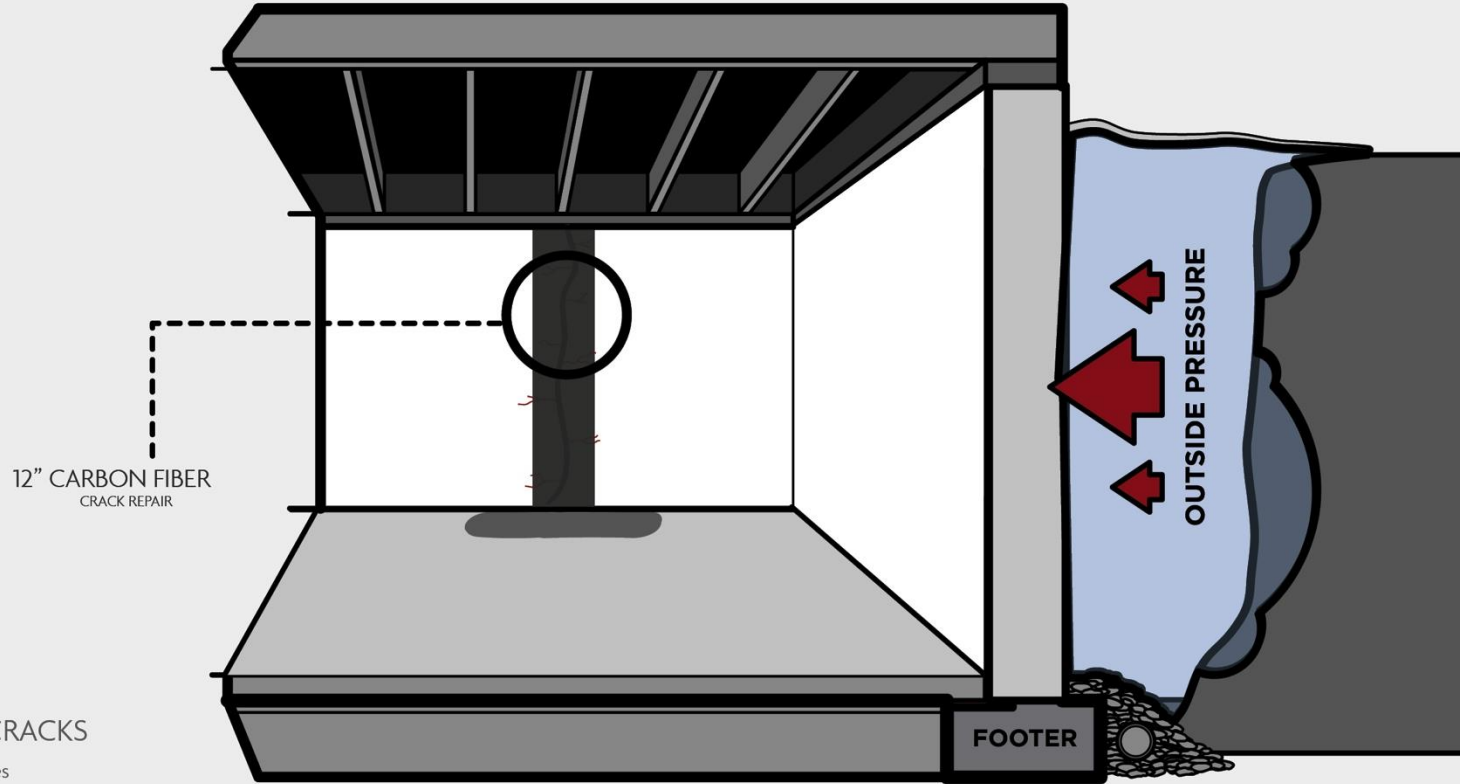
CRACK INJECTION

CARBON FIBER

STAPLES

OTHER USES

EXAMPLE



12" CARBON FIBER
CRACK REPAIR

POURED WALL FOUNDATION CRACKS

Crack injection does not address hairline fractures



MENU

PREVIOUS SLIDE

NEXT SLIDE

POURED WALL FOUNDATION CRACKS

Crack injection does not address hairline fractures



CRACK REPAIR OPTIONS

WALL CRACK

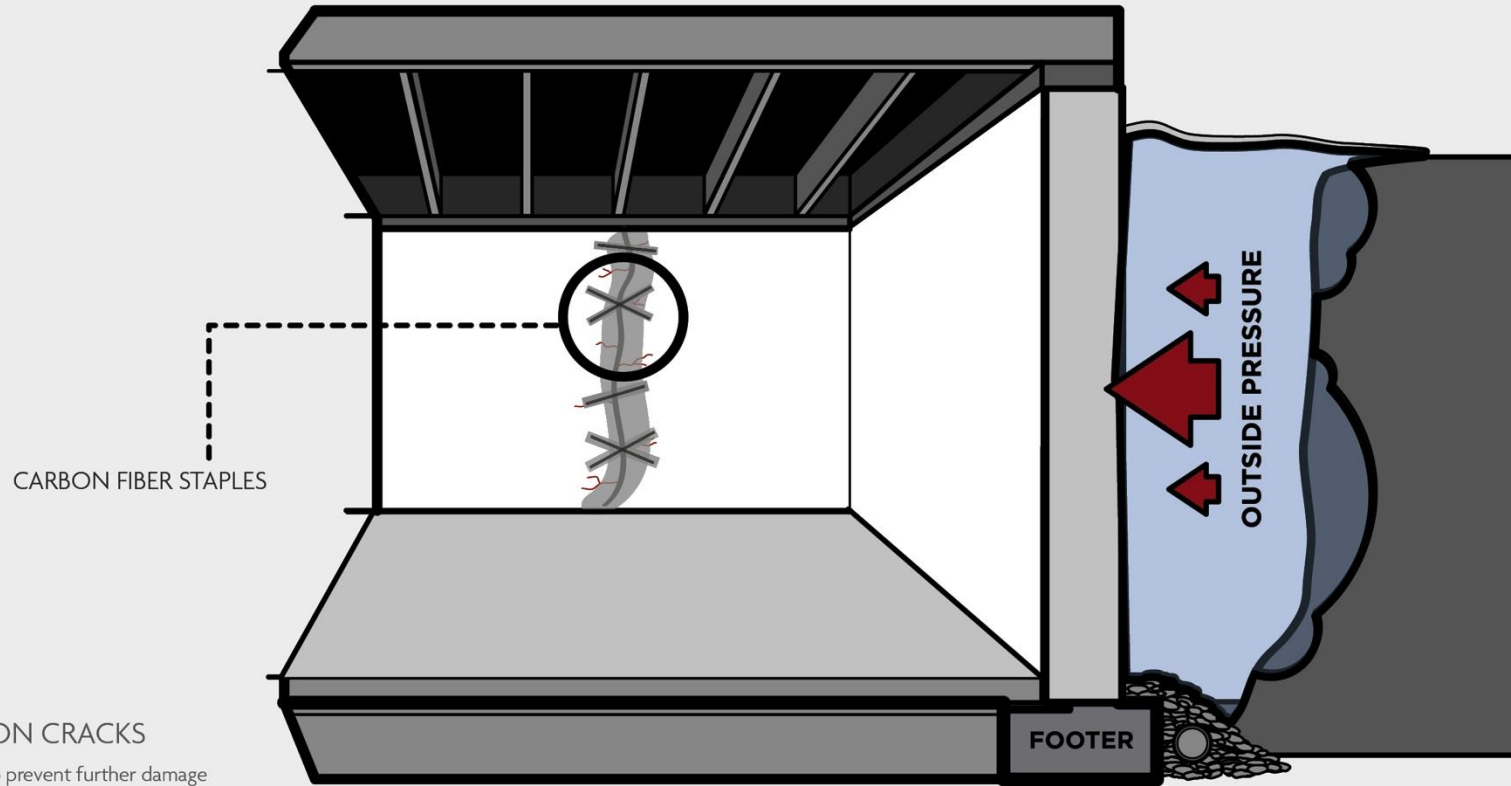
CRACK INJECTION

CARBON FIBER

STAPLES

OTHER USES

EXAMPLE



POURED WALL FOUNDATION CRACKS

Carbon fiber staples add extra strength to prevent further damage





POURED WALL FOUNDATION CRACKS

Carbon fiber staples add extra strength to prevent further damage

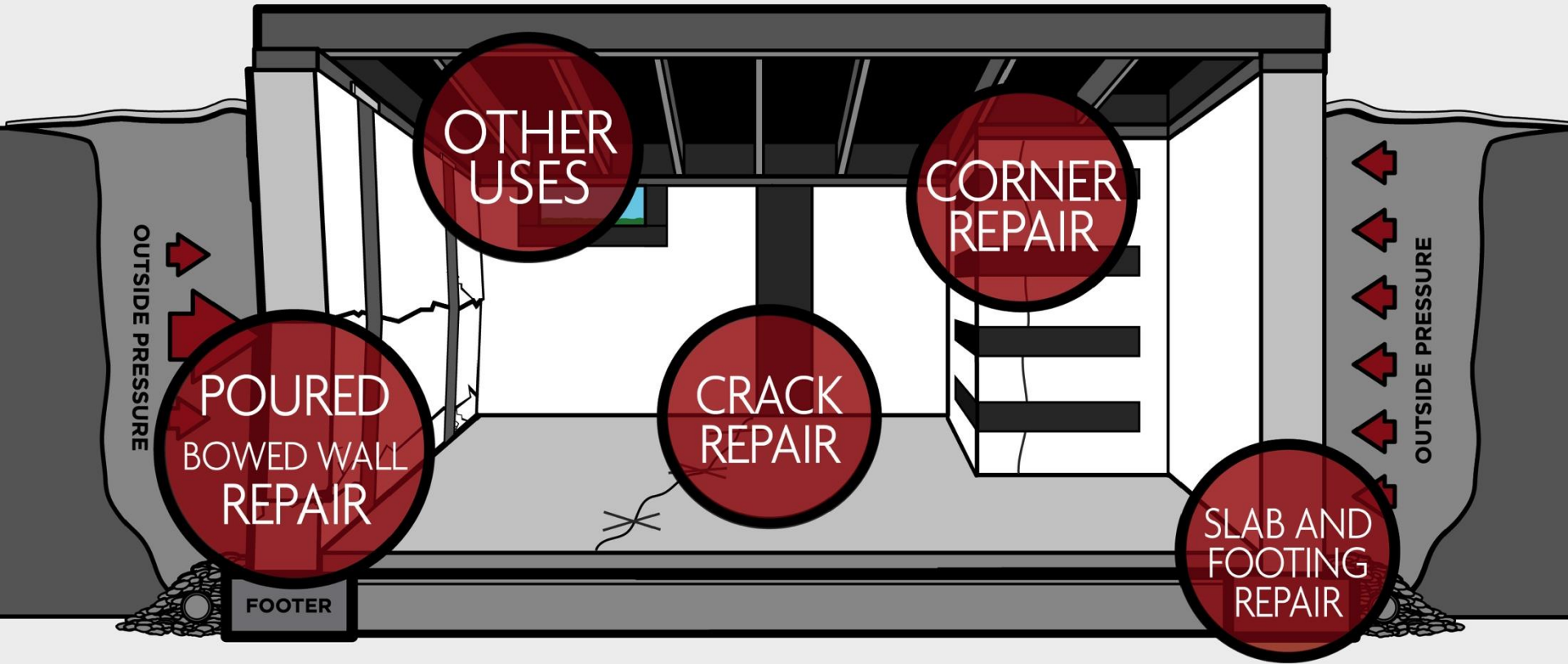


MENU

PREVIOUS SLIDE

NEXT SLIDE







BEFORE

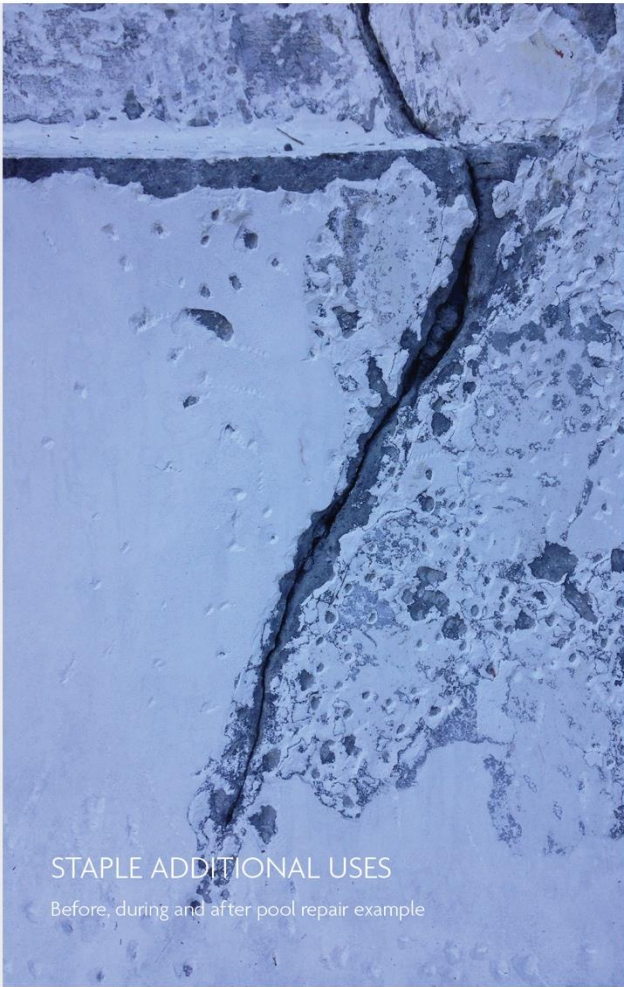


SLAB AND FOOTER STAPLE REPAIR

Strengthens fractured area of concrete

AFTER





STAPLE ADDITIONAL USES

Before, during and after pool repair example





WALL REPAIR KITS

We offer foundation wall, corner repair and crack kits that are easy to work with. Individual components are available as well.

