FORM-A-DRAIN®

SOLUTIONS GUIDE

FASTER, BETTER, SMARTER
BUILDING SOLUTIONS

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FIND A DEALER

CALL **713.325.0642** OR EMAIL **SALES@FORMADRAINSOLUTIONS.COM**

FORM-A-DRAIN® PLUS

WE HAVE SOLUTIONS FOR YOUR FOUNDATION. IN FACT, WE HAVE THREE.

Form-A-Drain Plus is the 3-in-1 foundation solution that forms footings, provides an integrated drainage system and can be easily adapted to vent radon where needed. It works in conjunction with our high-density polyethylene [HDPE] membrane, Platon®. Together they form a moisture-controlling, dynamic duo that keeps basements dry.

PERMANENT & PRECISE FOOTING FORMS

Designed for installation before residential basement construction begins, Form-A-Drain Plus consists of lineal sections installed as the foundation footing forms. Unlike standard wood forms, Form-A-Drain Plus lineals stay in place permanently after completion of the concrete pour and form a complete sub-slab perimeter loop around the foundation.

Since it stays in place, Form-A-Drain Plus also shaves valuable time from the construction schedule; there's no need for a crew to return the next day to remove, strip, clean and transport forms to the next job site.

Lineal sections, couplings and corners ensure precise form set-up.

ON THE COVER: Drainage, waterproofing and specialty solutions for any home build.

During the concrete pour, grade stakes hold the Form-A-Drain Plus system at the proper elevation. Thereafter, Form-A-Drain Plus remains permanently in place.

INTEGRATED DRAINAGE

With Form-A-Drain Plus, you create a drainage system as you set up footing forms, with no need to purchase and install separate drain pipe. Form-A-Drain Plus is an outstanding alternative to perforated pipe when it comes to drainage performance. It has a greater water intake capacity than traditional drain pipe, and its strong, rigid construction assures a quality installation.

Each lineal section is manufactured with one slotted wall, which allows for the collection of water at the footing. The collected water then flows through the hollow core of the Form-A-Drain Plus system to the drainage outlet, where it is safely discharged away from the home or to the sump pit. The foundation system is located where it should be—at the top of and on both sides of the footing—providing drainage on both the exterior and interior sides of the foundation.

RADON REDUCTION

Because Form-A-Drain Plus stays in place after the footing is poured, it's in the perfect position to perform as part of a radon reduction system. Simply add a single outlet to one of the inner Form-A-Drain Plus lineals and connect it to a dedicated vent pipe, as described in the Form-A-Drain installation guide.

Form-A-Drain Plus provides revolutionary benefits that builders love and homeowners shouldn't have to live without.

THE BENEFITS KEEP ON BUILDING

FEATURES	BUILDER BENEFITS
Ideally located drainage system, parallel to footing, below foundation wall	Relieves hydrostatic pressure on walls and slabs, reducing risk of cracking
Drainage system cannot sag or crimp	Reduces risk of blockage or uneven drainage
Greater water intake capacity than traditional drain pipe	Ensures rapid collection of ground water. Minimizes possibility of basement water infiltration.
Level installation	Uniform drainage of foundation; easier to set wallforms and masonry block
Smooth interior surface and less chance of build-up and clogging	Allows for free flow of water
Drainage is provided for both the inside and outside of foundation footing	Better protection against basement water infiltration. Reduces risk of cracking and leaking.
Strong, rigid PVC construction; greater stiffness	Minimizes possibility of system failure due to a collapsed or crushed drainage system
Conforms with EPA's "Model Standards & Techniques for Radon Control in New Residential Buildings." Form-A-Drain Plus is the subject of ICC-ES Legacy Report Number 95-37.01 & CCMC 13492-R.	Acceptance by local code officials and inspectors

PIECING TOGETHER A CUSTOM SOLUTION

Lineals are 12 feet long, are available in profile heights of 4", 6", 8" (2 ¼" width) and 10" (1 ½" width), and weigh between 7 and 14 pounds depending on profile. Lightweight Form-A-Drain Plus lineals are easy to transport and work with, and can be cut to desired lengths with a hand or power saw.

Available fittings include couplings, 45˚ and 90˚ corners, single and double drainage outlets, outlet adapters, and vertical 90˚ L adapters. Spacer straps come in various widths to ensure proper footing dimensions, and grade stakes are either 18" or 30" in length.

All lineals, fittings and accessories are made to exact specifications. Fittings are designed for easy assembly, with no need for mechanical or solvent fastening.

WHY CONTRACTORS LOVE FORM-A-DRAIN® PLUS

"Form-A-Drain Plus allows us to dig the hole, pour the footing and have the complete tile and gravel job done all in one day."

James Bartels, M.B.I. Construction, Inc.
Effingham, IL

"The drain and radon systems are excellent."

William Alaimo, Confor, Inc.
Peckville, PA

"As a custom builder, we're always looking for ways to save time on the job and improve quality for our customers. We began using Form-A-Drain Plus on our homes several years ago because it's easy to install and makes a nice looking job. It's a quality product that's good for our bottom line and our reputation."

Joe Nadu, Lancaster Home Builders
Lancaster, PA

"Quality is far superior to conventional methods."

Erwin Sweet, Perma-Structo, Inc.
Sturtevant, WI

"We switched from flexible perforated pipe to Form-A-Drain Plus. It saves time, labor costs and headaches. It's faster and easier to install on a level grade, virtually eliminating any water problems that might occur."

John Azzari, Alessio Azzari Concrete, Inc.
Mickleton, NJ

PUT CONTRACTOR BENEFITS TO WORK

FEATURES	CONTRACTOR BENEFITS
Stay-in-place lineal footing form system	Eliminates wood or metal form cost, and form removal, cleaning, and transportation costs
Less elapsed time between footing pour and wall construction	Increases productivity
Immediate drainage capability	Can minimize down time in inclement weather
Simple adaptation with a round pipe “T” and vertical PVC pipe stack provides radon reduction	Eliminates material and labor costs for a separate radon reduction system; sub-slab perimeter system already in place
Eliminates need for conventional corrugated poly drain tile	Reduces material and labor associated with drain tile installation
Complete line of lineals, couplings, 90˚ and 45˚ corners, vertical L’s, outlets, and accessory items	Can accommodate virtually any foundation layout
No oiling of forms required	Reduced oil cost and elimination of oil handling and disposal
Lightweight lineals: 4" = 7 lbs, 6" = 10 lbs, 8" = 13 lbs, 10" = 14 lbs	Reduced job site labor, lower risk of injury, reduced fatigue
Simple leveling method	Labor savings during form set-up/installation
Job site assembly without the use of solvent cement or mechanical fasteners	Similar set-up time to wood, may reduce overall form set-up time
Easy to cut with hand or power saw	No additional or special tools required for cutting; fast installation
Spacer straps available in pre-determined width dimensions	Improved set-up time by reducing time used for measuring, possible rebar chair

FORM-A-DRY™

BASEMENT REPAIR SYSTEM

MAKE DRY BASEMENTS A DONE DEAL ON EXISTING HOMES

Water enters your home through your foundation. The key to keeping water outside is redirecting it to your sump basin and draining it away from your basement. And a highly effective way to accomplish that is the Form-A-Dry™ Basement Repair System.

- Form-A-Dry greatly reduces the chances of a basement interior repair
- Installed as water and radon remediation
- Bigger slots for more air flow and a drier environment
- Higher flow rates than corrugated pipe
- Smooth wall construction
  - Smoother, faster flow
  - No corrugations to catch heavier debris in water
  - Corner fittings mean no bending pipe around corners
- Super durable
  - No material loss due to abuse or mishandling
  - Will not collapse
  - Resists contaminants, acidic soils and chemicals
- Compact, thin profile means less demolition
- Cost effective compared to box and trip drains

HOW TO INSTALL OUR SYSTEM.

Linear sections, couplings and corners ensure a precise setup. Here's a typical step-by-step view of the process.

1. ASSESS THE DAMAGE

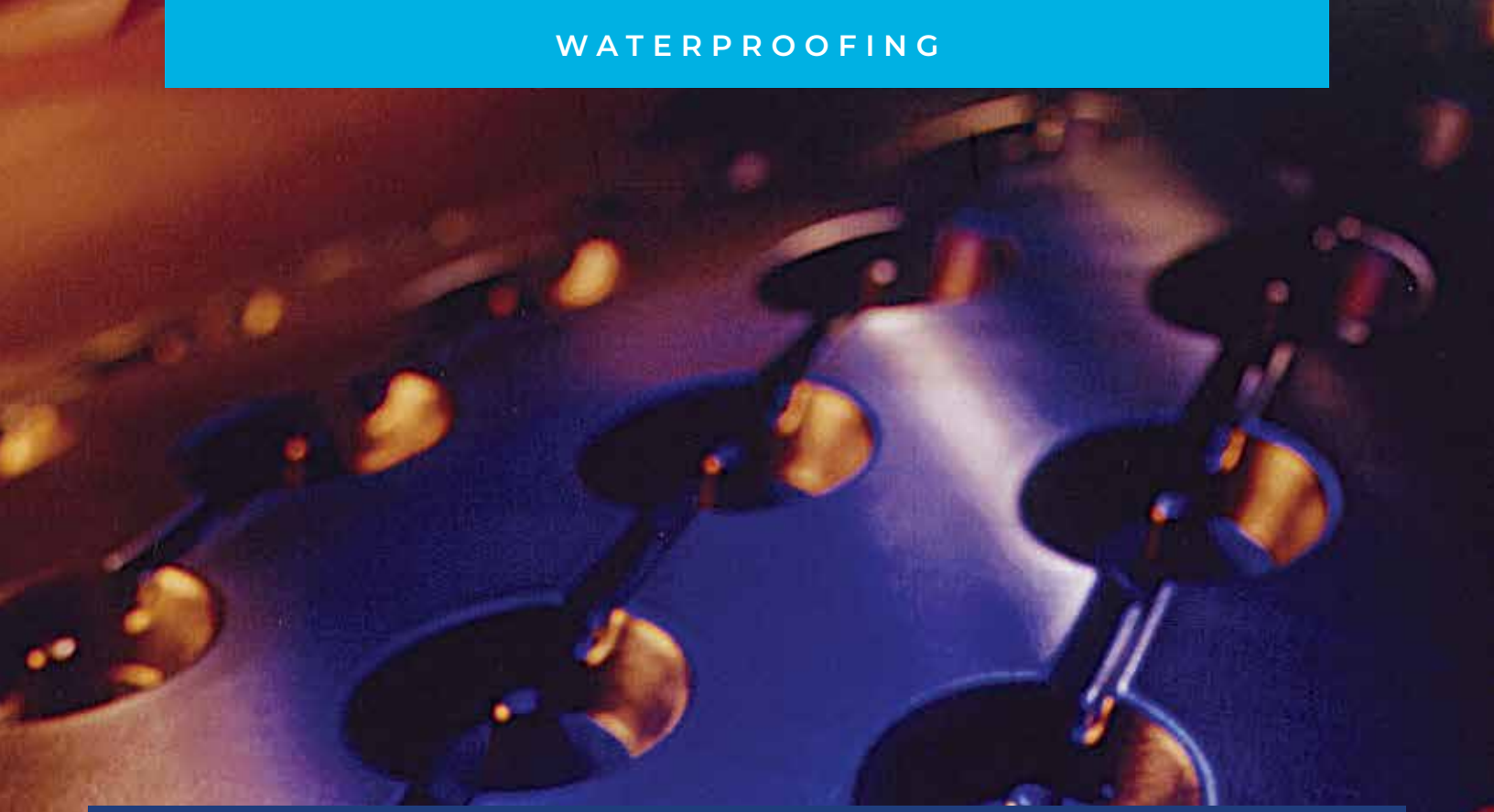
2. REMOVE CONCRETE AND EXCAVATE

3. LAY OUT AND INSTALL DRAINAGE SYSTEM

4. SYSTEM WORKS SUB-SLAB TO KEEP BASEMENT DRY

5. REPLACE AND SMOOTH CONCRETE

6. ENSURE A MOISTURE-FREE BASEMENT



PLATON®

MOISTURE IS THE ENEMY OF BASEMENTS.

Whether it seeps in through the walls or percolates up through the floor, water can turn an otherwise useful space into a damp, uncomfortable haven for mold and mildew.

What's the best way to prevent these problems? Platon—a plastic waterproofing membrane that controls both interior and exterior moisture.

Made of tough, durable 24-mil HDPE (high density polyethylene), Platon features a unique double-dimpled design that creates an air gap between the membrane and the wall or floor. The dimples keep wet soil away from foundation walls and lift sub-floors off damp, cold concrete basement slabs.

PLATON OUTPERFORMS ALTERNATE WATERPROOFING SYSTEMS

- Installs easily in all weather conditions
- Sizes 4 to 10 feet high
- More economical
- Bridges cracks up to ¼"
- Unique double-dimple design provides higher crush strength and minimizes soil movement “drag” on the membrane
- Fast and secure assembly with Speedclip or Speedstrip fasteners
- Air gap allows water evaporating from concrete as it cures to go to the outside and the footing drain. Spray-on and peel & stick methods can drive hundreds of gallons of water from concrete as it’s curing to the inside of your basement where you don’t want it—this curing/evaporation process can last up to 3 years.
- Approvals: NES Report #NER 514—Waterproofing (IRC)

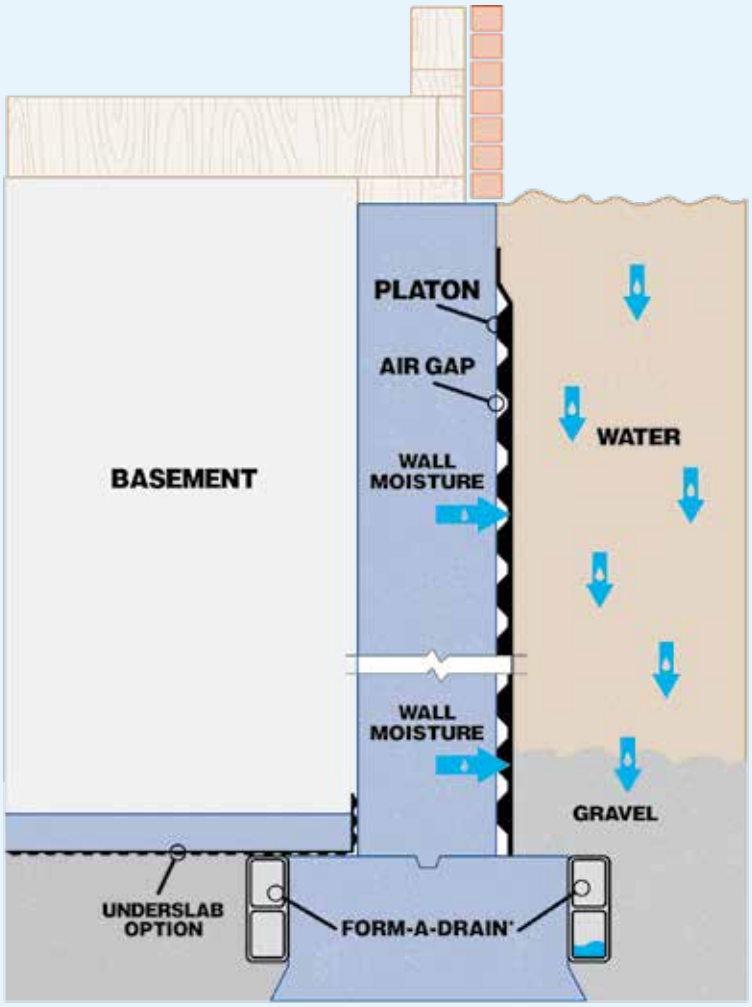
FOUNDATION

Block walls, poured concrete walls, insulated concrete forms—no matter what construction technique is used to build a foundation, some type of waterproofing is necessary to prevent moisture problems.

Platon—the most advanced foundation protector on the market—works with all foundation types. Unlike spray-on products, Platon is a durable, environmentally responsible HDPE membrane with a dimpled design that physically prevents wet soil from coming in contact with foundation walls by utilizing an air gap that allows air to flow and moisture to drain.

Platon is a high-performance stand-alone waterproofing system, eliminating the need for additional waterproofing treatments. It is easily installed with Platon Speedclips or Speedstrips and will continue to keep the basement dry even if the concrete cracks or settling occurs.

Platon is also ideal for underslab applications, where it outperforms builder’s poly.



PLATON SPECIFICATIONS

- Working temperature: -58°F to +176°F (-50°C to +80°C)
- Softening temperature: 257°F (125°C)
- Thermal resistance: R-0.68
- Water Vapor Permeance = 0.05 perms (per ASTM E96)
- Air volume, dimpled side: 1 gal/yd² (4.0 litre/m²)
- UV stabilization: minimum 2% carbon black content
- Toxicity: none—Platon is chemically inert and 100% environmentally friendly

The Platon membrane keeps moisture and wet soil apart using an air gap that allows air to flow and moisture to drain.

SUB-FLOOR

A warm, comfortable basement starts with a dry floor. Because concrete floors contain some degree of moisture,
it's vitally important to position a high-performance barrier material between the concrete and the floor covering.

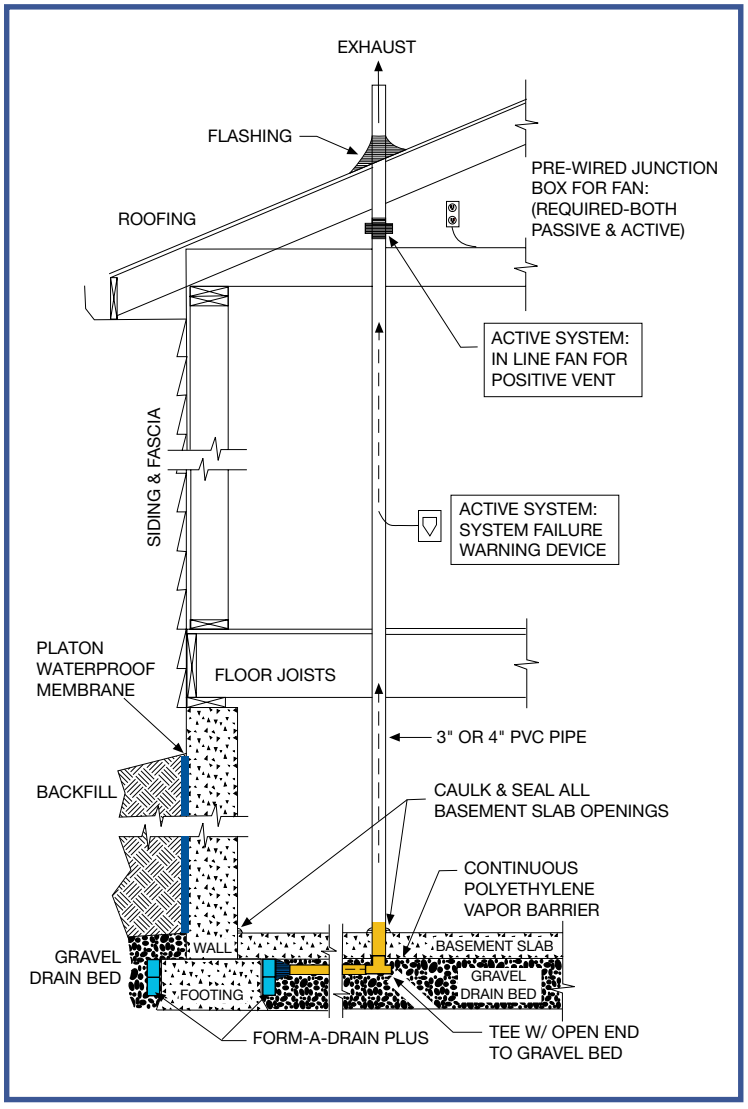
That's where Platon fits in. Its thick, double-dimple construction isolates the finished floor from the cold concrete, creating an impermeable vapor barrier and air gap that allow the concrete to breathe, while keeping the floor dry
and warm. Surface condensation and musty odors are minimized, and homeowners enjoy the benefits of additional living space.

Platon accommodates a wide variety of floor covering materials—including carpet, vinyl, laminate and hardwood—
and can also be installed over floors with radiant heat.

RADON READY™

RADON VENTILATION

Conforms with EPA's "Model Standards & Techniques for Radon Control in New Residential Buildings." Form-A-Drain Plus is the subject of ICC-ES Report Number ESR-3964 & CCMC 13492-R.

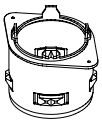


LABEL

MATERIAL # RD1604
4" CAP H DWV WH

MATERIAL # RD104
STRAIGHT TEE HxHxH

4' SECTION OF 4" PIPE



SNAP ADAPTOR

CERTAFORM™ ULTRAFLEX

FLATWORK FORMS SHOULD FLEX TO YOUR NEEDS.

Our CertaForm UltraFlex flatwork form has all the qualities needed to speed up jobs and increase your productivity.

CERTAFORM ULTRAFLEX FLEXIBLE FLATWORK FORM

- Speed through curves
- No kerfing required
- Save time and money
- Increase your productivity
- Available in 4", 6" and 12" nominal widths

SKU	Dimension	Pack Qty	Pack/Pallet Qty
R5760447	12' x 3.5" x 3/8" CertaForm UltraFlex	4	128
R5760455	12' x 5.5" x 3/8" CertaForm UltraFlex	4	128
R5760463	12' x 11.25" x 3/8" CertaForm UltraFlex	2	64
NOW AVAILABLE IN 16' LENGTHS!			
R5980407	16' x 3.5" x 3/8" CertaForm UltraFlex	4	128
R5980415	16' x 5.5" x 3/8" CertaForm UltraFlex	4	128
R5980423	16' x 11.25" x 3/8" CertaForm UltraFlex	2	64

PERFORMANCE

- Screw and stake just like wood
- 12" to 18" radius without kerfing
- Holds staked shape during pour
- Compatible with standard lumber sizes

HANDLING

- 12' or 16' long for easy layout
- Lightweight
- Ships and stores flat
- No bend memory
- Bends easily in either direction

DURABILITY

- Use over and over again
- Does not absorb moisture
- Easy to clean
- Chemical resistant
- Retains its flexibility

Flexible Flatwork Form

FORM-A-DRAIN®

Form-A-Drain offers comprehensive drainage, waterproofing and specialty solutions designed to keep your foundation solid from the ground up. Build foundations, repair basements, remove radon and lay out concrete forms all while saving time and eliminating callbacks.

FORM-A-DRAIN® PLUS
A Better Approach to Foundations

Platon

Radon Ready™

CertaForm® UltraFlex

FORM-A-DRY
BASEMENT REPAIR SYSTEM

Westlake
Royal Building Products™

FormADrainSolutions.com
713.325.0642